

GenCore version 5.1.3
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OM protein - protein search, using sw model

Run on: January 26, 2003, 19:16:11 : Search time 37 Seconds
(without alignments)
156.657 Million cell updates/sec

Title: US-09-854-280-3

Perfect score: 1073

Sequence: 1 MTLPLGLFLTWLHTCLAH.....FHEFLHVPVGCVCVLRPV 197

Scoring table:

BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	183	17.1	205	4	US-09-724-864-37
2	173	16.1	153	1	US-08-514-014-12
3	173	16.1	153	2	US-08-833-823-12
4	173	16.1	163	3	US-09-034-810-2
5	173	16.1	163	3	US-08-685-239-2
6	160.5	15.0	151	2	US-08-620-694A-8
7	160.5	15.0	151	3	US-09-034-810-6
8	160.5	15.0	151	3	US-09-022-255-8
9	160.5	15.0	151	3	US-09-022-255-8
10	160.5	15.0	151	3	US-09-022-255-8
11	160.5	15.0	151	3	US-08-685-239-6
12	160.5	15.0	151	3	US-09-022-255-8
13	160.5	15.0	151	3	US-09-022-255-8
14	160.5	15.0	151	4	US-09-022-255-8
15	160.5	15.0	151	4	US-08-432-994A-4
16	158	14.7	155	4	US-08-432-994A-8
17	150.5	14.0	158	2	US-08-620-694A-7
18	150.5	14.0	158	3	US-09-022-255-7
19	150.5	14.0	158	3	US-09-022-255-7
20	150.5	14.0	158	3	US-09-022-255-7
21	150.5	14.0	158	3	US-09-022-255-7
22	150.5	14.0	158	4	US-09-022-255-7
23	150.5	14.0	158	4	US-09-022-255-7
24	148.5	13.8	150	3	US-09-034-810-4
25	148.5	13.8	150	3	US-08-685-239-4
26	148.5	13.8	150	4	US-08-432-994A-2
27	148.5	13.8	158	4	US-08-432-994A-10

28	125	11.6	79	4	US-08-432-994A-6	Sequence 6, App1
29	83	7.7	430	1	US-08-318-947A-16	Sequence 16, App1
30	83	7.7	430	2	US-08-795-303-16	Sequence 16, App1
31	79	7.4	550	1	US-08-318-947A-4	Sequence 4, App1
32	79	7.4	550	2	US-08-795-303-4	Sequence 4, App1
33	77.5	7.2	567	1	US-08-261-822A-12	Sequence 12, App1
34	77.5	7.2	567	5	PCT-US95-07744A-12	Sequence 12, App1
35	75	7.0	3287	2	US-08-477-451-7	Sequence 7, App1
36	74.5	6.9	307	2	US-08-918-206-1	Sequence 1, App1
37	74.5	6.9	555	1	US-08-484-044-6	Sequence 6, App1
38	74.5	6.9	582	2	US-08-422-699A-9	Sequence 9, App1
39	74.5	6.9	582	2	US-08-422-706B-9	Sequence 9, App1
40	74	6.9	260	4	US-09-006-353A-8	Sequence 8, App1
41	74	6.9	260	4	US-09-573-986-8	Sequence 8, App1
42	74	6.9	984	2	US-08-449-645A-19	Sequence 19, App1
43	74	6.9	984	2	US-08-702-167A-19	Sequence 19, App1
44	74	6.9	984	5	PCT-US95-04681-19	Sequence 19, App1
45	74	6.9	2289	3	US-09-051-019-2	Sequence 2, App1

ALIGNMENTS

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RESULT 1
US-09-724-864-37
Sequence 37, Application US/09724864
Patent No. 6380362
GENERAL INFORMATION:
APPLICANT: Watson, James D.
APPLICANT: Marison, James G.
TITLE OF INVENTION: Polynucleotides, polypeptides expressed
FILE REFERENCE: 11000.105001
CURRENT APPLICATION NUMBER: US/09/724,864
PRIOR FILING DATE: 2000-11-28
PRIOR APPLICATION NUMBER: U.S. No. 6380362 60/171,678
NUMBER OF SEQ ID NOS: 72
SOFTWARE: FASTED for Windows Version 4.0
SEQ ID NO 37
LENGTH: 205
TYPE: PRT
ORGANISM: Mouse
US-09-724-864-37
Query Match 17.18; Score 183; DB 4; Length 205;
Best Local Similarity 31.24; Pred. No. 1.1e-13;
Matches 54; Conservative 16; Mismatches 49; Indels 54; Gaps 7;
QY 64 VALVSSLEAASHR-GREHRSATTCVLRPEVLE----- 98
DB 15 LALAPGAAAGLRIGR--RRARRDC-ADRPEDLEQLYGLAGVLSAFHHTQLQPRE 71
QY 99 -----AD-----THQRSISPMRYRVDTDEDRYQRLAPAECLRCGCDIART 139
DB 72 QARVASCPAGRADRRFPPTNLRVSVMAYRISYDAPRRPLPEAYCLCRGLNGLY 131
QY 140 GREALNASVRLQSLVLRRRRCSRGSGIPTGCAAFHFEFLHVPVGCVCV 192
DB 132 GEEDFRFRSTPVPSPAVVLRRTAACAGRSV-----YAEH--YITIPVGCVCV 177
RESULT 2
US-08-514-014-12
Sequence 12, Application US/08514014
Patent No. 5707829
GENERAL INFORMATION:
APPLICANT: McCoy, John
APPLICANT: Jacobs, Kenneth
APPLICANT: Kelleher, Kerry
APPLICANT: Carlin, McKeough
TITLE OF INVENTION: DNA SEQUENCES AND SECRETED PROTEINS
TITLE OF INVENTION: ENCODED THEREBY
```

? PROR APPLICATION DATA:
 ? APPLICATION NUMBER: 08/514,014
 ? FILING DATE: 11-AUG-1995
 ? ATTORNEY/AGENT INFORMATION:
 ? NAME: BROWN, SCOTT A.
 ? REGISTRATION NUMBER: 32,724
 ? REFERENCE/DOCKET NUMBER: G10000
 ? TELECOMMUNICATION INFORMATION:
 ? TELEPHONE: (617) 498-8224
 ? TELEFAX: (617) 876-5851
 ? INFORMATION FOR SEQ ID NO.: 12:
 ? SEQUENCE CHARACTERISTICS:
 ? LENGTH: 153 amino acids
 ? TYPE: amino acid
 ? TOPOLOGY: linear
 ? MOLECULE TYPE: protein
 ? US-08-833-823-12

Query Match	16.1%	Score 173	DB 2	Length 153
Best Local Similarity	39.0%	Pred. No. 1	1e-12	
Matches	39	Conservative	16	Mismatches 31
				Indels 14
				Gaps 3

QY	97	LEADTHQNRISFRRYRVDTEEDRYPQKLAFAECRCIGCIDARTGERETAALNSVRLQSL	156
DB	60	MSRNIESRSTSPMNTYMDPRNRYSEVYVQACNCLCINQ GKEDISNNSVPIODETL	118
QY	157	VLRRR--PCSRVSGSLPTGFAFHEITEIHVACCTCVP	194
DB	119	VVRRHQGS-----VSFOLEKVLVTAGCTCVP	147

RESULT 4
 US-09-034-810-2
 Sequence 2, Application US/09034810
 Patent No. 6043344
 GENERAL INFORMATION:
 APPLICANT: Jacobs, Kenneth
 APPLICANT: Kelleher, Kerry
 APPLICANT: Carlin, McKeough
 APPLICANT: Goldman, Samuel
 APPLICANT: Pittman, Debra
 APPLICANT: Mi, Sha
 APPLICANT: Neben, Steven
 APPLICANT: Giannotti, JoAnn
 APPLICANT: Golden/Fleet, Margaret
 TITLE OF INVENTION: Human CTLA-8 and Uses of CTLA-8-Related Proteins
 NUMBER OF SEQUENCES: 9
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Genetics Institute, Inc.
 STREET: 87 Cambridgepark Drive
 CITY: Cambridge
 STATE: Massachusetts
 COUNTRY: USA
 ZIP: 02140
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/034,810
 FILING DATE:
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/685,239
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: Brown, Scott A.
 REGISTRATION NUMBER: 32,724
 REFERENCE/DOCKET NUMBER: G15262
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617) 496-8224
 TELEFAX: (617) 876-5851

INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 163 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-034-810-2

Query Match 16.1%; Score 173; DB 3; Length 163;
Best Local Similarity 39.0%; Pred. No. 1.2e-12;
Matches 39; Conservative 16; Mismatches 31; Indels 14; Gaps 3;

QY 97 LEADTHORSISPMRYRVDTDEDRYPQKLAFAECLRCGICDARTGRTAALNSVRLQSL 156
DB 70 MSRNIESRSTSPWNYVTWDPNRYPSSEYVOACRNLGICINAG-GKEDISMNSVPIQOETL 128
QY 157 VLRRR--PCSRDGSGLTPGAFAFHFHFHVPYGCICVLP 194
DB 129 VVRKHQGS-----VSFOLEKVLVTWGCICVTP 157

RESULT 5
US-08-685-239-2
Sequence 2, Application US/08685239;
Patent No. 6074849

GENERAL INFORMATION:
APPLICANT: Jacobs, Kenneth
APPLICANT: Kelleher, Kerry
APPLICANT: Carlin, McKeough
APPLICANT: Goldman, Samuel
APPLICANT: Piltman, Debora
APPLICANT: M1, Sha
APPLICANT: Neben, Steven
APPLICANT: Giannotti, Joann
APPLICANT: Golden/Fleet, Margaret
TITLE OF INVENTION: Human CTLA-8 and Uses of CTLA-8-Related Proteins
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Genetics Institute, Inc.
STREET: 87 Cambridgepark Drive
CITY: Cambridge
STATE: Massachusetts
COUNTRY: USA
ZIP: 02140
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/685,239
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Brown, Scott A.
REGISTRATION NUMBER: 38,724
REFERENCE/DOCKET NUMBER: G15262
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 498-8224
TELEFAX: (617) 876-5851
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 163 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-685-239-2

Query Match 16.1%; Score 173; DB 3; Length 163;
Best Local Similarity 39.0%; Pred. No. 1.2e-12;
Matches 39; Conservative 16; Mismatches 31; Indels 14; Gaps 3;
QY 97 LEADTHORSISPMRYRVDTDEDRYPQKLAFAECLRCGICDARTGRTAALNSVRLQSL 156

DB 70 MSRNIESRSTSPWNYVTWDPNRYPSSEYVOACRNLGICINAG-GKEDISMNSVPIQOETL 128
QY 157 VLRRR--PCSRDGSGLTPGAFAFHFHFHVPYGCICVLP 194
DB 129 VVRKHQGS-----VSFOLEKVLVTWGCICVTP 157

RESULT 6
US-08-620-694A-8
Sequence 8, Application US/08620694A
Patent No. 5869286

GENERAL INFORMATION:
APPLICANT: Yao, Zhengbin
APPLICANT: Spriggs, Melanie
APPLICANT: Fanslow, William
TITLE OF INVENTION: No. 5869286el Receptor That Binds IL-17
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Immunex Corporation
STREET: 51 University Street
CITY: Seattle
STATE: WA
COUNTRY: USA
ZIP: 98101
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Apple Power Macintosh
OPERATING SYSTEM: Apple Operating System 7.5.5
SOFTWARE: Microsoft Word for Apple, Version 6.0.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/620,694A
FILING DATE: 21 MARCH 1996
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USSN 08/538,765
FILING DATE: 7 AUGUST 1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USSN 08/410,535
FILING DATE: 23 MARCH 1995

ATTORNEY/AGENT INFORMATION:
NAME: Perkins, Patricia Anne
REGISTRATION NUMBER: 34,695
REFERENCE/DOCKET NUMBER: 2617-B
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 587-0430
TELEFAX: (206)
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 151 amino acids
TYPE: amino acid
STRANDEDNESS: not relevant
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Herpesvirus Saimiri
STRAIN: ORF13
US-08-620-694A-8
Query Match 15.0%; Score 160.5; DB 2; Length 151;
Best Local Similarity 28.6%; Pred. No. 3.2e-11;
Matches 46; Conservative 23; Mismatches 57; Indels 35; Gaps 5;
QY 36 CYSAEELPLGQAPPHILARAGKAGQALPVAVSSLEAASHRGHREPSATTQCPVLPPEE 95
DB 18 CIYKSETTSKQTRCLAA-----NSFPRSVWVTLISRNMTSSKRAS----- 60
QY 96 VLEADTHORSISPMRYRVDTDEDRYPQKLAFAECLRCGICDARTGRTAALNSVRLQSL 155

Db 61 ----DYNRSTSPWTLHRENDQDRYPSVIMEAKRCRYLCVNA-DGNVDYHMSVPIQOEI 115

QY 156 LVLR--RPGSRDGLPTGAFATHEFIHVPVGCCTVLP 194
Db 116 LVVRKHQPCPN-----SFRLEKMLVTYVGCCTVLP 145

RESULT 7
US-09-034-810-6

Sequence 6, Application US/09034810
Patent No. 6043344

GENERAL INFORMATION:

APPLICANT: Jacobs, Kenneth
APPLICANT: Kelleher, Kerry
APPLICANT: Carlin, Mckeough
APPLICANT: Goldman, Samuel
APPLICANT: Pittman, Debra
APPLICANT: Mi, Sha
APPLICANT: Neben, Steven
APPLICANT: Glannotti, Joann
TITLE OF INVENTION: Human CTLA-8 and Uses of CTLA-8-Related Proteins
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genetics Institute, Inc.
STREET: 87 Cambridgepark Drive
CITY: Cambridge
STATE: Massachusetts
COUNTRY: USA
ZIP: 02140

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentln Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/034,810
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/685,239
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Brown, Scott A.
REGISTRATION NUMBER: 32,724
REFERENCE/DOCKET NUMBER: G15262
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 498-8224
TELEFAX: (617) 876-3851
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 151 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-034-810-6

Query Match 15.0%; Score 160.5; DB 3; Length 151;
Best Local Similarity 28.6%; Pred. No. 3.2e-11;
Matches 46; Conservative 23; Mismatches 57; Indels 35; Gaps 5;

QY 36 CYAAELPLGQAPPHILARGAWGOLPYALVSSLEASHRGHRHPSATTCQVLRPEE 95
Db 18 CIYKSTITSAQTPRCIAA-----NNSFPRSVWTLISINWNTSSKRAS----- 60
QY 96 VLEADTHOSISPMWRVYDTEDEDRYPKLAFAECICRCGIDARGTRETAALNSVRLQSL 155
Db 61 ----DYNNSTSPWTLHRENDQDRYPSVIMEAKRCRYLCVNA-DGNVDYHMSVPIQOEI 115
QY 156 LVLR--RPGSRDGLPTGAFATHEFIHVPVGCCTVLP 194
Db 116 LVVRKHQPCPN-----SFRLEKMLVTYVGCCTVLP 145

RESULT 8
US-09-022-255-8

Sequence 8, Application US/09022255
Patent No. 6072033

GENERAL INFORMATION:

APPLICANT: Yao, Zhenbin
APPLICANT: Spriggs, Melanie
APPLICANT: Fanslow, William
TITLE OF INVENTION: No. 6072033el Receptor That Binds IL-17
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: Immunex Corporation
STREET: 51 University Street
CITY: Seattle
STATE: WA
COUNTRY: USA
ZIP: 98101

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: Apple Power Macintosh
OPERATING SYSTEM: Apple Operating System 7.5.5
SOFTWARE: Microsoft Word for Apple, Version 6.0.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/022,255
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USSN 08/620,694
FILING DATE: 21 MARCH 1996
APPLICATION NUMBER: USSN 08/538,765
FILING DATE: 7 AUGUST 1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USSN 08/410,535
FILING DATE: 23 MARCH 1995
ATTORNEY/AGENT INFORMATION:
NAME: Perkins, Patricia Anne
REGISTRATION NUMBER: 34,695
REFERENCE/DOCKET NUMBER: 2617-B
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 587-0430
TELEFAX: (206)

INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 151 amino acids
TYPE: amino acid
STRANDEDNESS: not relevant
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Herpesvirus Saimiri
STRAIN: ORF13
US-09-022-255-8

Query Match 15.0%; Score 160.5; DB 3; Length 151;
Best Local Similarity 28.6%; Pred. No. 3.2e-11;
Matches 46; Conservative 23; Mismatches 57; Indels 35; Gaps 5;

QY 36 CYAAELPLGQAPPHILARGAWGOLPYALVSSLEASHRGHRHPSATTCQVLRPEE 95
Db 18 CIYKSTITSAQTPRCIAA-----NNSFPRSVWTLISINWNTSSKRAS----- 60
QY 96 VLEADTHOSISPMWRVYDTEDEDRYPKLAFAECICRCGIDARGTRETAALNSVRLQSL 155
Db 61 ----DYNNSTSPWTLHRENDQDRYPSVIMEAKRCRYLCVNA-DGNVDYHMSVPIQOEI 115
QY 156 LVLR--RPGSRDGLPTGAFATHEFIHVPVGCCTVLP 194
Db 116 LVVRKHQPCPN-----SFRLEKMLVTYVGCCTVLP 145

CORRESPONDENCE ADDRESS:

ADDRESSEE: Immunex Corporation
STREET: 51 University Street
CITY: Seattle
STATE: WA
COUNTRY: USA
ZIP: 98101

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: Apple Power Macintosh
OPERATING SYSTEM: Apple Operating System 7.5.5
SOFTWARE: Microsoft Word for Apple, Version 6.0.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/022.253
FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/620.694
FILING DATE: 21-MARCH-1996
APPLICATION NUMBER: USSN 08/538.765
FILING DATE: 7 AUGUST 1995
CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: USSN 08/410.535
FILING DATE: 23 MARCH 1995
CLASSIFICATION:

ATTORNEY/AGENT INFORMATION:

NAME: Perkins, Patricia Anne
REGISTRATION NUMBER: 34,695
REFERENCE/DOCKET NUMBER: 2617-B
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206)587-0430
TELEFAX: (206)

INFORMATION FOR SEQ. ID NO. 8:

SEQUENCE CHARACTERISTICS:
LENGTH: 151 amino acids
TYPE: amino acid
STRANDEDNESS: No. 6096305 Relevant
MOLECULE TYPE: linear
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Herpesvirus Saimiri
STRAIN: ORF13

US-09-022-253-8

Query Match 15.0%; Score 160.5; DB 3; Length 151;
Best Local Similarity 28.6%; Pred. No. 3.2e-11;
Matches 46; Conservative 23; Mismatches 57; Indels 35; Gaps 5;

QY 36 CYSAEELPIGQAPPHILARGAKWGQALPYALVSSLEASHRGHRRPSATTQCVLRPEE 95
DB 18 CIVKSEITSAQPRCLAA-----NNSFPRSVAVTLISINMMNTSSKRAS-----60

QY 96 VLEADTHORSTSPWRYVDTEDEYRQKLAFAECLRCGCDIARTGRTAALNSVRLIOSTL 155
DB 61 ----DYNNSTSPWTLHNNEDODRPSYIWAACRYLGCYNA-DGANDYHNSVPIQOEI 115

QY 156 IYLRR--PPCSRDGSGGLTPGAFATHEFIHVPVGCCTVLP 194
DB 116 LVVRKGHPCCN-----SFRLEKMLVTGCTCTVP 145

RESULT 12

US-09-022-260-8
Sequence 8, Application US/09022260
Patent No. 6100235

GENERAL INFORMATION:

APPLICANT: Yao, Zhengbin
APPLICANT: Spriggs, Melanie
APPLICANT: Fanslow, William
TITLE OF INVENTION: No. 6100235el Receptor That Binds IL-17

NUMBER OF SEQUENCES: 10

CORRESPONDENCE ADDRESS:
ADDRESSEE: Immunex Corporation
STREET: 51 University Street
CITY: Seattle
STATE: WA
COUNTRY: USA
ZIP: 98101

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: Apple Power Macintosh
OPERATING SYSTEM: Apple Operating System 7.5.5
SOFTWARE: Microsoft Word for Apple, Version 6.0.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/022.260
FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/620.694
FILING DATE:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: USSN 08/410.535
FILING DATE: 23 MARCH 1995
CLASSIFICATION:

ATTORNEY/AGENT INFORMATION:

NAME: Perkins, Patricia Anne
REGISTRATION NUMBER: 34,695
REFERENCE/DOCKET NUMBER: 2617-B
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206)587-0430
TELEFAX: (206)

INFORMATION FOR SEQ. ID NO. 8:

SEQUENCE CHARACTERISTICS:
LENGTH: 151 amino acids
TYPE: amino acid
STRANDEDNESS: not relevant
MOLECULE TYPE: linear
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Herpesvirus Saimiri
STRAIN: ORF13

US-09-022-260-8

Query Match 15.0%; Score 160.5; DB 3; Length 151;
Best Local Similarity 28.6%; Pred. No. 3.2e-11;
Matches 46; Conservative 23; Mismatches 57; Indels 35; Gaps 5;

QY 36 CYSAEELPIGQAPPHILARGAKWGQALPYALVSSLEASHRGHRRPSATTQCVLRPEE 95
DB 18 CIVKSEITSAQPRCLAA-----NNSFPRSVAVTLISINMMNTSSKRAS-----60

QY 96 VLEADTHORSTSPWRYVDTEDEYRQKLAFAECLRCGCDIARTGRTAALNSVRLIOSTL 155
DB 61 ----DYNNSTSPWTLHNNEDODRPSYIWAACRYLGCYNA-DGANDYHNSVPIQOEI 115

QY 156 IYLRR--PPCSRDGSGGLTPGAFATHEFIHVPVGCCTVLP 194
DB 116 LVVRKGHPCCN-----SFRLEKMLVTGCTCTVP 145

RESULT 13

US-09-022-259-8
Sequence 8, Application US/09022259
Patent No. 6191104

GENERAL INFORMATION:

APPLICANT: Yao, Zhengbin
APPLICANT: Spriggs, Melanie
APPLICANT: Fanslow, William
TITLE OF INVENTION: No. 6191104el Receptor That Binds IL-17
NUMBER OF SEQUENCES: 10

```

1 ADDRESS: Immunex Corporation
2 STREET: 51 University Street
3 CITY: Seattle
4 STATE: WA
5 COUNTRY: USA
6 ZIP: 98101
7
8 COMPUTER READABLE FORM:
9 MEDIUM TYPE: Floppy disk
10 COMPUTER: Apple Power Macintosh
11 OPERATING SYSTEM: Apple Operating System 7.5.5
12 SOFTWARE: Microsoft Word for Apple, Version 6.0.1
13 CURRENT APPLICATION DATA:
14 APPLICATION NUMBER: US/09/022.257
15 FILING DATE:
16 CLASSIFICATION:
17 PRIOR APPLICATION DATA:
18 APPLICATION NUMBER: 08/620.694
19 FILING DATE:
20 CLASSIFICATION:
21 PRIOR APPLICATION DATA:
22 APPLICATION NUMBER: USSN 08/410.535
23 FILING DATE: 23 MARCH 1995
24 CLASSIFICATION:
25 ATTORNEY/AGENT INFORMATION:
26 NAME: Perkins, Patricia Anne
27 REGISTRATION NUMBER: 34,695
28 REFERENCE/DOCKET NUMBER: 2617-B
29 TELECOMMUNICATION INFORMATION:
30 TELEPHONE: (206)587-0430
31 TELEFAX: (206)
32 INFORMATION FOR SEQ ID NO: 8:
33 SEQUENCE CHARACTERISTICS:
34 LENGTH: 151 amino acids
35 TYPE: amino acid
36 STRANDEDNESS: not relevant
37 TOPOLOGY: linear
38 MOLECULE TYPE: protein
39 HYPOTHEICAL: NO
40 ANTI-SENSE: NO
41 ORIGINAL SOURCE:
42 ORGANISM: Herpesvirus Saimiri
43 STRAIN: ORF13
44
45 US-09-022-257-8
46
47 Query Match 15.0%; Score 160.5; DB 4; Length 151;
48 Best Local Similarity 28.6%; Pred. NO.3.2e-11;
49 Matches 46; Conservative 23; Mismatches 57; Indels 35; Gaps 5;
50
51 Oy 36 CYSAEELPLGQAPPHLLARGAKWGALPVALVSSLEAASHRGHRHRRPSATTCQPVLRPEE 95
52 Db 18 CIVKSEITSACQPRCLAA-----NNSFPFSVAVTLIRMMNTSSKRAS----- 60
53 Oy 96 VLEAETHORSTSPMKYRVDTDEDYRPOKLAFAECICRCGIDARTGRETALNSVRLQSL 155
54 Db 61 ----DYNRSTSPMLLRNEDQDRPYIWEAKCRYLGCVNA-DSQVNDHMSVPIQDEI 115
55 Oy 156 LVLR--RPCSRDGSGLPTPGAFATHEFEIHPVGCCTCLP 194
56 Db 116 LVVRKHQPCPR-----STRLEKMLVTGCTCTP 145
57
58 RESULT 15
59 US-08-432-994A-4
60 Sequence 4, Application US/08432994A
61 Patent No. 6274711
62
63 GENERAL INFORMATION:
64 APPLICANT: Golstein, Pierre
65 APPLICANT: Rouvier, Eric
66 APPLICANT: Fossiez, Francois
67 APPLICANT: Lebecque, Serge J.E.
68 APPLICANT: Djossou, Odile
69 APPLICANT: Banchemare, Jacques
70 TITLE OF INVENTION: PURIFIED MAMMALIAN CTLA-8 ANTIGENS AND

```

TITLE OF INVENTION: RELATED REAGENTS
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: DNAX Research Institute
STREET: 901 California Avenue
CITY: Palo Alto
STATE: California
COUNTRY: USA
ZIP: 94304-1104
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/432,994A
FILING DATE: 02-MAY-1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/250,846
FILING DATE: 27-MAY-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/177,747
FILING DATE: 05-JAN-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/077,203
FILING DATE: 14-JUN-1993
ATTORNEY/AGENT INFORMATION:
NAME: Ching, Edwin P.
REGISTRATION NUMBER: 34,090
REFERENCE/DOCKET NUMBER: DX0388K3
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-852-9196
TELEFAX: 415-496-1200
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 151 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-432-994A-4

Query Match 15.0%; Score 160.5; DB 4; Length 151;
Best Local Similarity 28.6%; Pred. No. 9.2e-11;
Matches 46; Conservative 23; Mismatches 57; Indels 35; Gaps 5;
QY 36 CYSAEELPLGQAPPHLLAGAKWGALPAVALVSLEAASHRGHRRPSATGQCVLRPEE 95
Db 18 CIVKSEITSAQTPPCIAA-----NNSFPRSVVTLISIRNMNTSSKRAS----- 60
QY 96 VLEADTHQRSISPMRYRVDTEDEKLEOKLAFECRCGICIDARTGRTAALNSVRLLOSL 155
Db 61 ----DYNNSTSPWTLHNRNEDDRPSYIWEAKCRYLGCYVNA-DGNVDYHNSVPIQOEI 115
QY 156 IVLRR-RPCSRDGSGLPTPGAFATHEFIHVPGCTCVP 194
Db 116 IIVRKQHQPCH-----SFRLEKMLVTVGCTCVP 145

Search completed: January 26, 2003, 20:29:32
Job time : 38 secs

GenCore version 5.1.3
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OM Protein - nucleic search, using frame_plus.p2n model

Run on: January 26, 2003, 20:28:50 ; Search time 70 Seconds
(without alignments)
863.076 Million cell updates/sec

Title: US-09-854-280-3

Perfect score: 1073
Sequence: 1 MTLPLGLLFTLWHTCLAHN.....FHEFHVPGCTCVLPKRSV 197

Scoring table: BLOSUM62
Xgapop 10.0, Xgapext 0.5
Ygapop 10.0, Ygapext 0.5
Delop 6.0, Delext 7.0

Searched: 441362 seqs, 153338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Command line parameters:

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-DB=Issued.Patents.NA -QFMT=fastcap -SUFFIX=p2n.rn1 -MINMATCH=0.1 -LOOPCL=0
-LOOPEXT=0 -UNITS=bits -START=1 -END=1 -MATRIX=bloms62 -TRANS=human40.cdi
-LIST=45 -DOCALLIGN=200 -THR_SCORE=pct -THR_MAX=100 -THR_MIN=0 -ALIGN=15
-MODE=LOCAL -OUTFMT=ptc -NORM=ext -HEAPSIZE=500 -MINLEN=0 -MAXLEN=200000000
-USER=US09854280 ECGN.1.1.31.ernal.24012003.111703.11185 -NCPU=3 -ICPU=3
-NO_XLPXY -NO_MMAP -LARGEQUERY -NEG_SCORES=0 -MATT -LONCLOC -BEV_TIMECOUT=120
-WARN_TIMECOUT=30 -THRAADS=1 -XGAPOP=10 -XGAPEXT=0.5 -FCGAPOP=6 -FCGAPEXT=7
-YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database :

- 1: Issued.Patents.NA.*
- 2: /cgn2_6/ptodata/1/ina/5A.COMB.seq.*
- 3: /cgn2_6/ptodata/1/ina/5B.COMB.seq.*
- 4: /cgn2_6/ptodata/1/ina/6A.COMB.seq.*
- 5: /cgn2_6/ptodata/1/ina/6B.COMB.seq.*
- 6: /cgn2_6/ptodata/1/ina/Backfiles1.seq.*

Pred. NO. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	192.5	17.9	1258	4	US-09-724-864-2
2	175	16.3	813	4	US-08-514-014-11
3	175	16.3	813	2	US-08-833-823-11
4	175	16.3	813	3	US-09-034-810-1
5	175	16.3	813	3	US-08-685-239-1
6	161	15.0	510	4	US-08-432-994A-7
7	160.5	15.0	456	4	US-08-432-994A-3
8	160.5	15.0	459	3	US-09-034-810-5
9	160.5	15.0	459	3	US-08-685-239-5
10	150.5	14.0	498	2	US-08-620-694A-6
11	150.5	14.0	498	3	US-09-022-255-6
12	150.5	14.0	498	3	US-09-022-696-6

13	150.5	14.0	498	3	US-09-022-253-6	Sequence 6, Appli
14	150.5	14.0	498	3	US-09-022-260-6	Sequence 6, Appli
15	150.5	14.0	498	3	US-09-022-259-6	Sequence 6, Appli
16	150.5	14.0	498	4	US-09-022-257-6	Sequence 6, Appli
17	148.5	13.8	461	3	US-09-034-810-3	Sequence 3, Appli
18	148.5	13.8	461	3	US-08-685-239-3	Sequence 3, Appli
19	148.5	13.8	1080	4	US-08-432-994A-1	Sequence 1, Appli
20	148.5	13.8	1134	4	US-08-432-994A-9	Sequence 1, Appli
21	125	11.6	240	4	US-08-432-994A-5	Sequence 1, Appli
22	105	9.8	4622	4	US-08-509-024-6	Sequence 6, Appli
23	105	9.8	4622	4	US-09-333-279-6	Sequence 6, Appli
24	102	9.5	12848	4	US-09-453-702B-252	Sequence 252, App
25	97	9.0	3048	1	US-08-188-228-47	Sequence 47, Appli
26	97	9.0	3048	1	US-08-332-638-41	Sequence 41, Appli
27	97	9.0	3048	1	US-08-332-638-47	Sequence 47, Appli
28	95.5	8.9	152331	3	US-09-128-155-17	Sequence 16, Appli
29	95.5	8.9	176373	3	US-09-734-250-3	Sequence 17, Appli
30	91.5	8.5	111282	4	US-09-117-373-11	Sequence 3, Appli
31	90.5	8.4	3914	1	US-08-428-517-1	Sequence 11, Appli
32	90.5	8.4	50937	4	US-09-428-517-1	Sequence 1, Appli
33	90	8.4	3196	2	US-09-096-982-4	Sequence 4, Appli
34	90	8.4	3196	2	US-08-653-650A-4	Sequence 4, Appli
35	90	8.4	71989	4	US-09-443-501A-2	Sequence 2, Appli
36	89	8.3	2851	4	US-09-535-521-1	Sequence 1, Appli
37	89	8.3	2851	4	US-09-535-521-3	Sequence 1, Appli
38	89	8.3	3043	4	US-09-008-271A-14	Sequence 14, Appli
39	88.5	8.2	1930	4	US-09-724-864-9	Sequence 9, Appli
40	88.5	8.2	6714	4	US-09-299-141-6	Sequence 6, Appli
41	88.5	8.2	6924	4	US-09-299-141-9	Sequence 9, Appli
42	88.5	8.2	6924	4	US-09-299-141-10	Sequence 10, Appli
43	88.5	8.2	6924	4	US-09-299-141-11	Sequence 11, Appli
44	88	8.2	753	4	US-08-998-416-567	Sequence 567, App
45	88	8.2	10103	2	US-08-457-273B-7	Sequence 7, Appli

ALIGNMENTS

RESULT 1
US-09-724-864-2
Sequence 2, Application US/09724864
Patent No. 6380362
GENERAL INFORMATION:
APPLICANT: Watson, James D.
APPLICANT: Murison, James G.
TITLE OF INVENTION: polynucleotides, polypeptides expressed
FILE REFERENCE: 11000,105001
CURRENT APPLICATION NUMBER: US/09/724,864
PRIOR FILING DATE: 2000-11-28
PRIOR APPLICATION NUMBER: U.S. No. 6380362 60/171,678
NUMBER OF SEQ ID NOS: 72
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 2
LENGTH: 1258
TYPE: DNA
ORGANISM: Mouse
US-09-724-864-2

Alignment Scores:
Pred. No.: 1.66e-09
Score: 192.50
Percent Similarity: 45.528
Best Local Similarity: 35.868
Query Match: 17.94%
DB: 4
Gaps: 4

US-09-854-280-3 (1-197) x US-09-724-864-2 (1-1258)
OY 48 PROPRONISLEULEUAlAArgLgLyAlAlaLysTTPGLyAlAlaLeuProValAlaLeuVal 67
DB 275 CCACGACAGCTGCAGCTGGCGCGCGAGCAGGCGC-GCAATGGCAGCTGCC----- 327

QY 68 SerSerLeuGluAlaAlaSerHisArgGlyArgHisGluArgProSerAlaThrThrGln 87
 Db 328 -----CGCCGGGGGGGCGGCGCGC
 QY 88 CysProValLeuArgProGluGluValLeuGluAlaAspThrHisGlnArgSerIleSer 107
 Db 349 ACCGCCCGC-TCGGGCCA-----CCACCAACCTGGCGACCGCTGTG 389
 QY 108 ProTrpArgTrpArgValAspThrHisAspGluAspArgTrpProGlnLysLeuAlaPheAla 127
 Db 390 CCGTGGCGCAGACAGATTCTTCCAGCCCTGCTCCGAGGTACCTGCCCGGCGGCGC 449
 QY 128 GluCysLeuGluArgGlyCysIleAspAlaArgThrGlyArgGluThrAlaAlaLeuAsn 147
 Db 450 TACTGGCTGGCCGAGCGCTGACCGGCGCTTACGGGAGAGAGACTTCGCTTCC 509
 QY 148 SerValArgLeuGluGlnSerLeuValLeuAlaArgArgProCysSerArgAspGly 167
 Db 510 AGCACACCGCTCTTCTCTCCAGCCGTGGTGGCGGCGACAGCGGCTGCCGCGGCGC 569
 QY 168 SerGlyLeuProThrProGlyAlaPheAlaPheHisThrGluPheIleHisValProVal 187
 Db 570 CGCTCTGTG-----TACGCGGACAC-----TACATACCATCCCGGTG 608
 QY 188 GlyCysThrCysVal 192
 Db 609 GCGTGCACCTGCGTG 623

RESULT 2

US-08-514-014-11
 ; Sequence 11, Application US/08514014
 ; Patent No. 5707829

GENERAL INFORMATION:
 APPLICANT: Jacobs, Kenneth
 APPLICANT: McCoy, John
 APPLICANT: Kelleher, Kerry
 APPLICANT: Carlin, McKeough
 TITLE OF INVENTION: DNA SEQUENCES AND SECRETED PROTEINS
 NUMBER OF SEQUENCES: 12
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Genetics Institute, Inc. -- Legal Affairs
 STREET: 87 Cambridgepark Drive
 CITY: Cambridge
 STATE: Massachusetts
 COUNTRY: USA
 ZIP: 02140

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/514,014
 FILING DATE:

CLASSIFICATION: 514
 ATTORNEY/AGENT INFORMATION:

NAME: Brown, Scott A.
 REGISTRATION NUMBER: 32,724
 REFERENCE/DOCKET NUMBER: G16000
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617) 498-8224
 TELEFAX: (617) 498-8224

INFORMATION FOR SEQ ID NO: 11:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 813 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA
 HYPOTHETICAL: NO
 FEATURE:

NAME/KEY: CDS
 COMPUTER READABLE FORM:

LOCATION: 86..544
 US-08-514-014-11

Alignment Scores:

Pred. No.:	Score:	Length:	Matches:	Mismatches:	Conservative:	Indels:	Gaps:
175.00	4.32e-08	813	58	28	56	47	9
45.50%	175.00	58	28	56	47	9	
Best Local Similarity:	45.50%	58	28	56	47	9	
Query Match:	30.69%	56	47	9			
DB:	16.31%	47	9				

US-09-854-280-3 (1-197) x US-08-514-014-11 (1-813)

QY 37 TySerValGluGluLeuProLeuGlyGlnAlaProPro-HisLeuAlaArgGlyAl 56
 Db 10 CATTCACAGAAAGAGTCTTCCGCAAAAGTAAGCCACCGCAACATGACAGTAAGAC 69
 QY 56 AluSTPrgLglnAlaLeuProValAlaLeuValSerLeu----- 70
 Db 70 CCGCATGGGCCCGCCATGTGACAGACTTCTGCTGTGATATTGGGCTTCCCTTCT 129
 QY 71 -----GluAlaAlaSerHisArg-----GlyArg-----HisGluArgProse 83
 Db 130 GAGTGAGGCGGCGAGCTCGGAAATCCCAAGTAGACATCTTTTCCAAAAGCCGTA 189
 QY 83 rAlaThrThrGlnCysProValLeuArgProGluGluValLeuGluAlaAsp----- 100
 Db 190 GAGT-----TCCGCCCTGTG-----CCAGAGAGTAGATGAGAGCTTGACATTGGCAT 237
 QY 101 -----ThrHisGlnArgSerIleSerPr 108
 Db 238 CATCAATGAAGAACGCGCTTCCATGTACATGACATGACAGAGCGGTCCACTCC 297
 QY 108 oTrpArgTrpArgValAspThrHisAspGluAspArgTrpProGlnLysLeuAlaPheAla 128
 Db 298 CTGAATTACACTGTGACCTGGGACCCCAACCGGTACCCCTGGAACTTTACAGGCCCA 357
 QY 128 uCysLeuGluArgGlyCysIleAspAlaArgThrGlyArgGluThrAlaAlaLeuAsn 148
 Db 358 GTGTGAGAACTTGGCTGCATCAATGCTCAA--GGAAGAGACACTTCCATGATTC 414
 QY 148 rValArgLeuGlnSerLeuValLeuAlaArgArg-----ProCysSerArgAs 166
 Db 415 GGTTCATCCAGAAAGACCGCTGGTGGCGAGAGACCAAGCGTGTCT----- 469
 QY 166 pGlySerGlyLeuProThrProGlyAlaPheAlaPheHisThrGluPheIleHisValPr 186
 Db 470 -----GTTTCTTCCAGTTGGAGAGAGTCTGTGTGAC 501
 QY 186 oValGlyCysThrCysValLeuPro 194
 Db 502 TGTGGCTGCACCTGCTGACCCCT 526

RESULT 3

US-08-833-823-11
 ; Sequence 11, Application US/08833823
 ; Patent No. 5969093

GENERAL INFORMATION:
 APPLICANT: Jacobs, Kenneth
 APPLICANT: McCoy, John
 APPLICANT: Kelleher, Kerry
 APPLICANT: Carlin, McKeough
 TITLE OF INVENTION: DNA SEQUENCES AND SECRETED PROTEINS
 NUMBER OF SEQUENCES: 12
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Genetics Institute, Inc. -- Legal Affairs
 STREET: 87 Cambridgepark Drive
 CITY: Cambridge
 STATE: Massachusetts
 COUNTRY: USA
 ZIP: 02140

COMPUTER READABLE FORM:

```

MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/833,823
FILING DATE: 10-APR-1997
CLASSIFICATION: 530
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 08/514,014
FILING DATE: 11-AUG-1995
ATTORNEY/AGENT INFORMATION:
NAME: Brown, Scott A.
REGISTRATION NUMBER: 32,724
REFERENCE/DOCKET NUMBER: G16000
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 498-8224
TELEFAX: (617) 876-5851
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 813 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: cDNA
HYPOTHETICAL: NO
FEATURE:
NAME/KEY: CDS
LOCATION: 86..544
US-08-833-823-11

Alignment Scores:
Pred. No.: 4.32e-08 Length: 813
Score: 175.00 Matches: 58
Percent Similarity: 45.50% Conservative: 28
Best Local Similarity: 30.69% Mismatches: 56
Query Match: 16.31% Indels: 47
DB: 2 Gaps: 9

US-09-854-280-3 (1-197) x US-08-833-823-11 (1-813)
QY 37 TYSERIALGLULeuProLeuGlyGlnAlaProPro-HisLeuLeuAlaArgGlyAla 56
Db 10 CATTACAGAAAGAGCTTCCTGCACAAAGTAAGCCACGACATGACAGTGAAGAC 69
QY 56 aluSTTPGlyGlnAlaLeuProValAlaLeuValSerSerLeu----- 70
Db 70 CCGCATGGCCGCCATGCTGCAAGTACTGCTGCTGATTTGGGGCTTCCTTTCT 129
QY 71 ----GluAlaAlaSerHisArg-----GlyArg-----HisGluArgProse 83
Db 130 GAGTGAAGGGCGGAGCTGGGAAATCCCAAGTAGACACTATTTTCCAAAGGCTGA 189
QY 83 rAlaThrThrGlnCysProValLeuArgProGluGluValLeuAlaAsp----- 100
Db 190 GAGT-----TGCCTGGCTGTG---CCAGAGGTAGATGACCTGACATGGCAT 237
QY 101 -----ThrHisGluArgSerIleSerPr 108
Db 238 CATCAATGAAMACGCGGCTTCATGTCAGTAACATCGAGAGCGGCTCCACCTCCC 297
QY 108 oTTPATGTYArgValAspThrAspGlnAspArgTyrProGlnLysLeuAlaPheAla 128
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QY 128 uCysLeuCysArgGlyCysIleAspAlaArgThrGlyArgGluThrAlaAlaLeuAsn 148
Db 358 GTCTAGAGACTTGCTGCTGATCAATCTCAA---GGAAAGAGAGACATCTCCATGAAT 414
QY 148 rValArgLeuLeuGlnSerLeuValLeuValLeuArgArg-----ProCysSerArg 166
Db 415 CGTTCCATCCACAGAGACAGACCTGCTGTCGGAGAGAGACCAAGGCTGCTCT----- 469

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QY 166 pGlySerGlyLeuProThrProGluValAlaPheAlaPheHisThrIleHisValPr 186
Db 470 -----GTTCTTCCAGTTGAGAGAGTGTGTGTAC 501
QY 186 oValGlyCysThrCysValLeuPro 194
Db 502 TGTGGCTGCACCTGCTGACCCCT 526

RESULT 4
US-09-034-810-1
Sequence 1, Application US/09034810
Patent No. 6043344
GENERAL INFORMATION:
APPLICANT: Jacobs, Kenneth
APPLICANT: Kelleher, Kerry
APPLICANT: Carlin, McKeough
APPLICANT: Goldman, Samuel
APPLICANT: Pitman, Debra
APPLICANT: Ml, Sha
APPLICANT: Neben, Steven
APPLICANT: Glanoff, Joan
APPLICANT: Golden/Fleet, Margaret
TITLE OF INVENTION: Human CTLA-8 and Uses of CTLA-8-related Proteins
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genetics Institute, Inc.
STREET: 87 Cambridgepark Drive
CITY: Cambridge
STATE: Massachusetts
COUNTRY: USA
ZIP: 02140
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/034,810
FILING DATE:
CLASSIFICATION:
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 08/685,239
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Brown, Scott A.
REGISTRATION NUMBER: 32,724
REFERENCE/DOCKET NUMBER: G15262
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 498-8224
TELEFAX: (617) 876-5851
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 813 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: cDNA
HYPOTHETICAL: NO
FEATURE:
NAME/KEY: CDS
LOCATION: 56..544
US-09-034-810-1

Alignment Scores:
Pred. No.: 4.32e-08 Length: 813
Score: 175.00 Matches: 58
Percent Similarity: 45.50% Conservative: 28
Best Local Similarity: 30.69% Mismatches: 56
Query Match: 16.31% Indels: 47
DB: 3 Gaps: 9

US-09-854-280-3 (1-197) x US-09-034-810-1 (1-813)

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QY 37 TyrSerAlaGluGluLeuProLeuGlyGlnAlaProPro-HisLeuLeuAlaArgGlyAl 56
Db 10 CATTCACAGAAAGAGCTTCTGCGACAAAGTAAGCCACCGACCATGACAGTGAAGAC 69
QY 56 alystrpGlyGlnAlaLeuProValAlaLeuValSerLeu----- 70
Db 70 CCTGCATGGCCCGCCATGTCAGTACTGTCCTGCTCATATATGGGGCTTCCCTTCT 129
QY 71 -----GlyAlaSerHisArg-----GlyArg-----HisGluArgProse 83
Db 130 GAGTGAAGCGGCGACCTGGAAAAATCCCAAGTAGAGACATCTTTTTCGAAAGCCTGA 189
QY 83 rAlaThrThrGlnCysProValLeuArgProGluGluValLeuAlaAlaAsp----- 100
Db 190 GAGT-----TGCCCGCGCTGTG---CCAGAGAGTAGATGATGACCTTGACATTGGCAT 237
QY 101 -----ThrHisGluArgSerHisSerP 108
Db 238 CATCAATGAAGAACCGCGCTTTCATGTCACGTACATGACAGAGCGGCTCCACCTCCC 297
QY 108 oTTPATgTYrArGValAspThrAspGluAspArgTYrProGlnLysLeuAlaPheAlaG1 128
Db 298 CTGGAATTACACTGTCACTTGGAGACCCCAACCGGTACCCCTCGAAGTTGTACAGGCCCA 357
QY 128 uCysLeuCyArGlyCysLysAlaArgThrGlyArgGluThrAlaAlaLeuAsnSe 148
Db 358 GTGTAGGAACCTGGCGTCATCATGCTCA---GGAAGAGAACATCTTCATTAATTC 414
QY 148 rValArgLeuLeuGlnSerLeuLeuValLeuArgArg-----ProCysSerArgAs 166
Db 415 CGTTCATCCACCAAGAGACCCCTGCTCGCGAGAGACACCAAGGCTGCTCT- 469
QY 166 polySerGlyLeuProThrProGlyAlaPheAlaPheHisThrGluPheLeuHisValPr 186
Db 470 -----GTTTCTTCCAGTTGAGAGAGGCTGCTGAC 501
QY 186 oValGlyCysThrCysValLeuPro 194
Db 502 TGTGTGCTGCACCTGCTGCACCCCT 526

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RESULT 5

US-08-685-239-1

Sequence 1, Application US/08685239

Patent No. 6074849

GENERAL INFORMATION:

APPLICANT: Jacobs, Kenneth
 APPLICANT: Carlin, McKeeough
 APPLICANT: Goldman, Samuel
 APPLICANT: Pittman, Debra
 APPLICANT: Mi, Sha
 APPLICANT: Neben, Steven
 APPLICANT: Giannotti, JoAnn
 TITLE OF INVENTION: Human CTLA-8 and Uses of CTLA-8-Related Proteins
 NUMBER OF SEQUENCES: 9
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Genetics Institute, Inc.
 STREET: 87 Cambridgepark Drive
 CITY: Cambridge
 STATE: Massachusetts
 COUNTRY: USA
 ZIP: 02140

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/685,239
 FILING DATE:
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:

NAME: Brown, Scott A.
 REGISTRATION NUMBER: 32,724
 REFERENCE/DOCKET NUMBER: G15262
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617) 498-8224
 TELEFAX: (617) 876-5851
 INFORMATION FOR SRO ID NO: 1
 SEQUENCE CHARACTERISTICS:
 LENGTH: 813 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: Double
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA
 HYPOHETICAL: NO
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 56..544
 US-08-685-239-1

Alignment Scores:

Pred. No.:	Length:	Matches:	Conservative:	Mismatches:	Indels:	Gaps:
Score:	4,32e-08	813	58	28	56	47
Percent Similarity:	175.00					
Best Local Similarity:	45.50%					
Query Match:	30.69%					
DB:	16.31%					

US-09-854-280-3 (1-197) x US-08-685-239-1 (1-813)

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QY 37 TyrSerAlaGluGluLeuProLeuGlyGlnAlaProPro-HisLeuLeuAlaArgGlyAl 56
Db 10 CATTCACAGAAAGAGCTTCTGCGACAAAGTAAGCCACCGACCATGACAGTGAAGAC 69
QY 56 alystrpGlyGlnAlaLeuProValAlaLeuValSerLeu----- 70
Db 70 CCTGCATGGCCCGCCATGTCAGTACTGTCCTGCTCATATATGGGGCTTCCCTTCT 129
QY 71 -----GlyAlaSerHisArg-----GlyArg-----HisGluArgProse 83
Db 130 GAGTGAAGCGGCGACCTGGAAAAATCCCAAGTAGAGACATCTTTTTCGAAAGCCTGA 189
QY 148 rValArgLeuLeuGlnSerLeuLeuValLeuArgArg-----ProCysSerArgAs 166
Db 415 CGTTCATCCACCAAGAGACCCCTGCTCGCGAGAGACACCAAGGCTGCTCT- 469
QY 166 polySerGlyLeuProThrProGlyAlaPheAlaPheHisThrGluPheLeuHisValPr 186
Db 470 -----GTTTCTTCCAGTTGAGAGAGGCTGCTGAC 501
QY 186 oValGlyCysThrCysValLeuPro 194
Db 502 TGTGTGCTGCACCTGCTGCACCCCT 526

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RESULT 6
 US-08-432-994A-7
 Sequence 7, Application US/08432994A
 Patent No. 6274711

GENERAL INFORMATION:
APPLICANT: Golstein, Pierre
APPLICANT: Rouvier, Eric
APPLICANT: Fossiez, Francois
APPLICANT: Lebecque, Serge J.E.
APPLICANT: Djossou, Odile
TITLE OF INVENTION: PURIFIED MAMMALIAN CTLA-8 ANTIGENS AND
TITLE OF INVENTION: RELATED REAGENTS
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: DMAX Research Institute
STREET: 901 California Avenue
CITY: Palo Alto
STATE: California
COUNTRY: USA
ZIP: 94304-1104
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/432,994A
CLASSIFICATION: 424
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 08/250,846
FILING DATE: 27-MAY-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/177,747
FILING DATE: 05-JAN-1994
APPLICATION NUMBER: US 08/077,203
FILING DATE: 14-JUN-1993
ATTORNEY/AGENT INFORMATION:
NAME: Ching, Edwin P.
REGISTRATION NUMBER: 34,090
REFERENCE/DOCKET NUMBER: DX0388K3
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-852-9196
TELEFAX: 415-496-1200
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 510 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 43..507
US-08-432-994A-7
Alignment Scores:
Pred. No.: 4.98e-07 Length: 510
Score: 161.00 Matches: 51
Percent Similarity: 41.188 Conservative: 19
Best Local Similarity: 30.008 Mismatches: 64
Query Match: 15.004 Indels: 37
Gaps: 6
US-09-854-280-3 (1-197) x US-08-432-994A-7 (1-510)
QY 49 ProHisLeuLeuAlaArgGly-----AlaLysTrpGlyGlnAlaLeuProValAlaLeu 66
DB 18 CCCACGTCGATGAGAAACAACGATGACTCCTGGAGAGACCTCATGTGTCACCTGCT 77
QY 67 ValSerSerLeuLeuAlaAlaSerHisArgGlyArgHisGlnArgProSerAlaThrThr 86
DB 78 ACTGCTGCTGAGCGCTGAGGCGCATAGTGAAGGAGATGACAAATCCACGAATATCCAGG 137
QY 87 GlnGlyProValLeuArg-----ProGlnGlnValLeu----- 97

DB 138 A--TGCCCAATTCGTAGAGACAGAACTCCCGGAGCTGTGATGTCAACCTGACATC 195
QY 98 -----GlnAlaAspThrHisGlnArgSerIle 106
DB 196 CATACCGGAAATACCAATACCAATCCCAAAAGCTCTCATATACCAACGATCCACC 255
QY 107 SerProTyrArgTyrArgValAspThrAspGlnAspArgTyrProGlnLysLeuAlaPhe 126
DB 256 TCACCTTGGAATCTCCACCAATGAGACCTGTGAGGATATCCCTGTGTGATCTGGAG 315
QY 127 AlaGlnCysLeuGlyCysArgGlyCysIleAspAlaArgThrGlyArgGlnTrpAlaAlaLeu 146
DB 316 GCAAGTGGCCGCGACATGCGCTGCATCAACGCT---GATGGAAAGCGGACATCCACATG 372
QY 147 AsnSerValArgLeuGlnGlnSerLeuValLeuArgArgPro-----CysSer 164
DB 373 AACTGTCTCCCATCCAGCAAGATGATCTGTCTCGCGAGGAGCCTCCACACTGCCCC 432
QY 165 ArgAspGlySerGlyLeuProThrProGlyAlaPheAlaPheHisThrGlnPheIleHis 184
DB 433 AAC-----TCTTCCGCGCTGAGAAATACTG 459
QY 185 ValProValGlyCysThrCysValLeuPro 194
DB 460 GTGTCGCTGGGCTGCACCTGTGTACCCCGC 489
RESULT 7
US-08-432-994A-3
Sequence 3, Application US/08432994A
Patent No. 6274711
GENERAL INFORMATION:
APPLICANT: Golstein, Pierre
APPLICANT: Rouvier, Eric
APPLICANT: Fossiez, Francois
APPLICANT: Lebecque, Serge J.E.
APPLICANT: Djossou, Odile
TITLE OF INVENTION: PURIFIED MAMMALIAN CTLA-8 ANTIGENS AND
TITLE OF INVENTION: RELATED REAGENTS
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: DMAX Research Institute
STREET: 901 California Avenue
CITY: Palo Alto
STATE: California
COUNTRY: USA
ZIP: 94304-1104
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/432,994A
FILING DATE: 02-MAY-1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/250,846
FILING DATE: 27-MAY-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/177,747
FILING DATE: 05-JAN-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/077,203
FILING DATE: 14-JUN-1993
ATTORNEY/AGENT INFORMATION:
NAME: Ching, Edwin P.
REGISTRATION NUMBER: 34,090
REFERENCE/DOCKET NUMBER: DX0388K3
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-852-9196
TELEFAX: 415-496-1200

INFORMATION FOR SEQ ID NO: 3
SEQUENCE CHARACTERISTICS:
LENGTH: 456 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 1..453
US-08-432-994A-3
Alignment Scores:
Pred. No.: 4.78e-07 Length: 456
Score: 160.50 Matches: 46
Percent Similarity: 42.86% Conservative: 23
Best Local Similarity: 28.57% Mismatches: 57
Query Match: 14.96% Indels: 35
DB: Gaps: 5
US-09-854-280-3 (1-197) x US-08-432-994A-3 (1-456)
QY 36 CysTyrSerAlaGluGluLeuProLeuGlyAlaProHisLeuLeuAlaArgGly 55
DB 52 TGTATAGTAAGTACAGAAATACAGCCACCAACCCAGATGCTTACGCTGCT 105
QY 56 AlaLysTrpGlyGlnAlaLeuProValAlaLeuValSerSerLeuGlnAlaAlaSerHis 75
DB 106 -----AACATAGCTTCCACGCTGCTGATGCTTACTTTGACATCCGTAACGCG 156
QY 76 ArgGlyArgHisGluArgProSerAlaThrThrGlnCysProValLeuArgProGluGlu 95
DB 157 AATACTACTTCTTAAAGGCTTCA----- 180
QY 96 ValLeuGlnAlaAspThrHisGlnArgSerIleSerProTrpArgGlyArgValAspThr 115
DB 181 -----GACTACTACATAGACTACGCTCTCTGGACTCCATCGCAATGAA 228
QY 116 AspGluAspArgGlyTrpProGlnLysLeuAlaPheAlaGluCysLeuGlyCysIle 135
DB 229 GATCAAGATAGATATCCCTCTGATTTGGGAAAGTGGCTCTACTGATGCTT 288
QY 136 AspAlaArgThrGlyArgGluThrAlaAlaLeuAsnSerValArgLeuLeuInsSerLeu 155
DB 289 AATGCT---GATGGAGTGTAGACTACCACTAGCACTCACTCCACAAAGAGATT 345
QY 156 LeuValLeuArgArg-----ArgProCysSerArgAspLysSerGlyLeuProThrPro 173
DB 346 CTAGTGGTGGCAAGGCGATCAACCTGCCCTAAT----- 381
QY 174 GValAlaPheAlaPheHisThrGluPheIleHisValProValAlaLysThrCysValLeu 193
DB 382 -----TCATTTAGGCTAGAGAGATCTAGTACTGTAGCTGACATCGCTTACT 432
QY 194 Pro 194
DB 433 CCC 435
RESULT 8
US-09-034-810-5
Sequence 5, Application US/09034810
Patent No. 6043344
GENERAL INFORMATION:
APPLICANT: Jacobs, Kenneth
APPLICANT: Kelleher, Kerry
APPLICANT: Carlin, McKrough
APPLICANT: Goldman, Samuel
APPLICANT: Pittman, Debora
APPLICANT: MI, Sha
APPLICANT: Neben, Steven
APPLICANT: Giannotti, Joann
APPLICANT: Golden/Fleet, Margaret
TITLE OF INVENTION: Human CTLA-8 and Uses of CTLA-8-Related Proteins

NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genetics Institute, Inc.
STREET: 87 CambridgePark Drive
CITY: Cambridge
STATE: Massachusetts
COUNTRY: USA
ZIP: 02140
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/034,810
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/685,239
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Brown, Scott A.
REGISTRATION NUMBER: 32,724
REFERENCE/DOCKET NUMBER: G15262
TELEPHONE: (617) 498-8224
TELEFAX: (617) 876-5851
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 459 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: cDNA
HYPOTHETICAL: NO
FEATURE:
NAME/KEY: CDS
LOCATION: 1..453
US-09-034-810-5
Alignment Scores:
Pred. No.: 4.82e-07 Length: 459
Score: 160.50 Matches: 46
Percent Similarity: 42.86% Conservative: 23
Best Local Similarity: 28.57% Mismatches: 57
Query Match: 14.96% Indels: 35
DB: Gaps: 5
US-09-854-280-3 (1-197) x US-09-034-810-5 (1-459)
QY 36 CysTyrSerAlaGluGluLeuProLeuGlyAlaProHisLeuLeuAlaArgGly 55
DB 52 TGTATAGTAAGTACAGAAATACAGCCACCAACCCAGATGCTTACGCTGCT 105
QY 56 AlaLysTrpGlyGlnAlaLeuProValAlaLeuValSerSerLeuGlnAlaAlaSerHis 75
DB 106 -----AACATAGCTTCCACGCTGCTGATGCTTACTTTGACATCCGTAACGCG 156
QY 76 ArgGlyArgHisGluArgProSerAlaThrThrGlnCysProValLeuArgProGluGlu 95
DB 157 AATCCAGTCTTAAAGGCTTCA----- 180
QY 96 ValLeuGlnAlaAspThrHisGlnArgSerIleSerProTrpArgGlyArgValAspThr 115
DB 181 -----GACTACTACATAGACTACGCTCTCTGGACTCCATCGCAATGAA 228
QY 116 AspGluAspArgGlyTrpProGlnLysLeuAlaPheAlaGluCysLeuGlyCysIle 135
DB 229 GATCAAGATAGATATCCCTCTGATTTGGGAAAGTGGCTCTACTGATGCTT 288
QY 136 AspAlaArgThrGlyArgGluThrAlaAlaLeuAsnSerValArgLeuLeuInsSerLeu 155
DB 289 AATGCT---GATGGAGTGTAGACTACCACTAGCACTCACTCCACAAAGAGATT 345

OY 156 LeuValleuAArg-ArgProCysSerArgAspGlySerGlyLeuProThrPro 173
 DB 346 CTGATGTCGCGCAAGGCGATCAACCTGCGCCCAAT----- 381
 OY 174 GAlaAlaPheAlaPheHisThrGluPheHisValProValGlyCysThrCysValLeu 193
 DB 382 -----TCATTAGGCTAGAGAGATGCTGACTGCTAGCGTGCACATGCGTTACT 432
 OY 194 Pro 194
 DB 433 CCC 435

RESULT 9

US-08-685-239-5
 ; Sequence 5, Application US/08685239
 ; Patent No. 6074849
 ; GENERAL INFORMATION:
 ; APPLICANT: Jacobs, Kenneth
 ; APPLICANT: Kelleher, Kerry
 ; APPLICANT: Carlin, McKenough
 ; APPLICANT: Goldman, Samuel
 ; APPLICANT: Pitman, Debra
 ; APPLICANT: Ml, Sha
 ; APPLICANT: Neben, Steven
 ; APPLICANT: Glanotli, JoAnn
 ; APPLICANT: Golden/Fleet, Margaret
 ; TITLE OF INVENTION: Human CTLA-8 and Uses of CTLA-8-Related Proteins
 ; NUMBER OF SEQUENCES: 9
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Genetics Institute, Inc.
 ; STREET: 87 Cambridgepark Drive
 ; CITY: Cambridge
 ; STATE: Massachusetts
 ; COUNTRY: USA
 ; ZIP: 02140
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patentin Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/685,239
 ; FILING DATE:
 ; CLASSIFICATION: 435
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Brown, Scott A.
 ; REGISTRATION NUMBER: 32,724
 ; REFERENCE/DOCKET NUMBER: G15262
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (617) 498-8224
 ; TELEFAX: (617) 876-5851
 ; INFORMATION FOR SEQ ID NO: 5:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 459 base pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: double
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: cDNA
 ; HYPOTHETICAL: NO
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: 1..453
 ; US-08-685-239-5

Alignment Scores:

Pred. No.: 4.82e-07
 Score: 160.50
 Percent Similarity: 42.86%
 Best Local Similarity: 28.57%
 Query Match: 14.96%
 DB: 3
 Gaps: 5

US-09-854-280-3 (1-197) x US-08-685-239-5 (1-459)

OY 36 CysTyrSerAlaGluLeuProLeuGlyGlnAlaProProHisLeuAlaArgGly 55
 DB 52 TGTATAGTAAGTCAGAAATAAATACTAGTCAGCAAAACCCAGATGCTTACTGCT 105
 OY 56 AlAlaYTrpGlyGlnAlaLeuProValAlaLeuValSerLeuGlnAlaSerHis 75
 DB 106 -----AACATAGCTTTCCACGCTGCTGATGCTTACTTTGAGCATCCGTAACCTG 156
 OY 76 ArgGlyArgHisGluArgProSerAlaThrThrGlnCysProValLeuArgProGluGln 95
 DB 157 AATACCATTCCTAAAGGCGTTCA----- 180
 OY 96 ValLeuGlnAlaAspThrHisGlnArgSerIleSerProTyrArgTyrArgValAspThr 115
 DB 181 -----GACTACGACATATAGATCTACCTCTGCTGCTGCTCCATCGCAATGAA 228
 OY 116 AspGluAspArgTyrProGlnLysLeuAlaPheAlaGluCysLeuGlyCysIle 135
 DB 229 GATCAAGATGATATATCCCTCTGATTTGGGAAGCAAAAGTGCCTACTTATGATGTGTT 288
 OY 136 AspAlaArgThrGlyArgGluThrAlaAlaLeuAsnSerValArgLeuGlnGlnSerLeu 155
 DB 289 AATGCT---GATGGAAATGAGACTACCACTACCACTAGCTCCCTATCCACAGAGATT 345
 OY 156 LeuValleuAArg-ArgProCysSerArgAspGlySerGlyLeuProThrPro 173
 DB 346 CTAGTGTGCGCAAGGCGATCAACCTGCGCCCAAT----- 381
 OY 174 GAlaAlaPheAlaPheHisThrGluPheHisValProValGlyCysThrCysValLeu 193
 DB 382 -----TCATTAGGCTAGAGAGATGCTGACTGCTAGCGTGCACATGCGTTACT 432

RESULT 10

US-08-620-694A-6
 ; Sequence 6, Application US/08620694A
 ; Patent No. 5869286
 ; GENERAL INFORMATION:
 ; APPLICANT: Yao, zhengbin
 ; APPLICANT: Spriggs, Melanie
 ; APPLICANT: Fanslow, William
 ; TITLE OF INVENTION: No. 5869286el Receptor That Binds IL-17
 ; NUMBER OF SEQUENCES: 10
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Immunex Corporation
 ; STREET: 51 University Street
 ; CITY: Seattle
 ; STATE: WA
 ; COUNTRY: USA
 ; ZIP: 98101
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: Apple Power Macintosh
 ; OPERATING SYSTEM: Apple Operating System 7.5.5
 ; SOFTWARE: Microsoft Word for Apple, Version 6.0.1
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/620,694A
 ; FILING DATE: 21 MARCH 1996
 ; CLASSIFICATION: 435
 ; PRIOR APPLICATION NUMBER:
 ; APPLICATION NUMBER: USSN 08/538,765
 ; FILING DATE: 7 AUGUST 1995
 ; CLASSIFICATION: 435
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: USSN 08/410,535
 ; FILING DATE: 23 MARCH 1995
 ; CLASSIFICATION: 435
 ; ATTORNEY/AGENT INFORMATION:

NAME: Perkins, Patricia Anne
REGISTRATION NUMBER: 34,695
REFERENCE/DOCKET NUMBER: 2617-B
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206)587-0430
TELEFAX: (206)

INFORMATION FOR SEQ ID NO: 6:

SEQUENCE CHARACTERISTICS:

LENGTH: 498 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: CDNA to mRNA

HYPOTHETICAL: NO

ANTI-SENSE: NO

ORIGINAL SOURCE:

ORGANISM: Murine CTLA-8

FEATURE:

NAME/KEY: CDS

LOCATION: 14..490

FEATURE:

NAME/KEY: sig_peptide

LOCATION: 14..88

FEATURE:

NAME/KEY: mat_peptide

LOCATION: 89..487

US-08-620-694A-6

Alignment Scores:

Pred. No.: 4.85e-06

Score: 150.50

Percent Similarity: 43.40%

Best Local Similarity: 30.82%

Query Match: 14.03%

DB: 2

Length: 498

Matches: 49

Conservative: 20

Mismatches: 61

Indels: 29

Gaps: 4

US-09-854-280-3 (1-197) x US-08-620-694A-6 (1-498)

QY 34 ProhiscystyrSerAlaGluGluLeuProLeuGlyGlnAlaProProhiscLeuAla 53

DB 74 CCTGTCACTAGTTCGTGGTACATCCCTCAAGTTCACGCGTCCAAACACTGAGGCC 133

QY 54 ArgGlyAlaLysTrpGlyGlnAlaLeuProValAlaLeuValSerSerLeuGlnAla 73

DB 134 AAGACTCTCTCCAGAAATGGAAGTCAACCTCAAGTCTTAACTCCCTGGCGCA 190

QY 74 SerHisArgGlyArgHisGluArgProSerAlaThrThrGlnGlyProValLeuArgPro 93

DB 191 ---AACTGAGCTCCACAGAGCCCTCA 214

QY 94 GluGluValLeuGlnAlaAspThrHisGlnArgSerIleSerProTrpArgTyrArgVal 113

DB 215 ---GACTACCTCAACCGTTCACGTCACCTCGAGCTCCACGCC 256

QY 114 AspThrAspGluAspArgTyrProGlnIleLysLeuAlaPheAlaGlnGlyLeuGlyArgGly 133

DB 257 AATGAGAGCCCTATGATATCCCTGTGATCGGAAGCTCAAGTCCGCGCACCGACGCC 316

QY 134 CysIleAspAlaArgThrGlyArgGluTrpAlaAlaLeuAsnSerValArgLeuGln 153

DB 317 TGTGTCAATGCGGAG---GGAAGCTGACACCATCATATTCCTGTCATCCAGCA 373

QY 154 SerLeuLeuValLeuArgArgArgProCysSerArgAspGlySerGlyLeuProThrPro 173

DB 374 GAGATCTGTGCTGAGAGGAGGAGCTGAGAC 406

QY 174 GlyAlaPheAlaPheHisThrGluPheIleHisValProValGlyCysThrCysVal 192

DB 407 TGGCCCTTCACTTTCGAGGCTGAGAAAGATGCTGTGGTGGCTGACCTGCGTG 463

RESURF 11

US-09-022-255-6

; Sequence 6, Application US/0902255

Patent No. 6072033

GENERAL INFORMATION:

APPLICANT: Yao, Zhengbin

APPLICANT: Spriggs, Melanie

APPLICANT: Fanslow, William

NUMBER OF SEQUENCES: 10

TITLE OF INVENTION: No. 6072033el Receptor That Binds IL-17

CORRESPONDENCE ADDRESS:

ADDRESSEE: Immunex Corporation

STREET: 51 University Street

CITY: Seattle

STATE: WA

COUNTRY: USA

ZIP: 98101

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

OPERATING SYSTEM: Apple Power Macintosh

SOFTWARE: Microsoft Word for Apple, Version 6.0.1

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/022,255

FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: USSN 08/620,694

FILING DATE: 21 MARCH 1996

APPLICATION NUMBER: USSN 08/538,765

FILING DATE: 7 AUGUST 1995

PRIOR APPLICATION DATA:

APPLICATION NUMBER: USSN 08/410,535

FILING DATE: 23 MARCH 1995

ATTORNEY/AGENT INFORMATION:

NAME: Perkins, Patricia Anne

REGISTRATION NUMBER: 34,695

REFERENCE/DOCKET NUMBER: 2617-B

TELECOMMUNICATION INFORMATION:

TELEPHONE: (206)587-0430

TELEFAX: (206)

INFORMATION FOR SEQ ID NO: 6:

SEQUENCE CHARACTERISTICS:

LENGTH: 498 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: CDNA to mRNA

HYPOTHETICAL: NO

ANTI-SENSE: NO

ORIGINAL SOURCE:

ORGANISM: Murine CTLA-8

FEATURE:

NAME/KEY: CDS

LOCATION: 14..490

FEATURE:

NAME/KEY: sig_peptide

LOCATION: 14..88

FEATURE:

NAME/KEY: mat_peptide

LOCATION: 89..487

US-09-022-255-6

Alignment Scores:

Pred. No.: 4.85e-06

Score: 150.50

Percent Similarity: 43.40%

Best Local Similarity: 30.82%

Query Match: 14.03%

DB: 3

US-09-854-280-3 (1-197) x US-09-022-255-6 (1-498)

QY 34 ProhiscystyrSerAlaGluGluLeuProLeuGlyGlnAlaProProhiscLeuAla 53

DB 74 CCTGTCACTAGTTCGTGGTACATCCCTCAAGTTCACGCGTCCAAACACTGAGGCC 133


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0Y 54 ArgGlyAlaIstYrPGLyGlnAlaIstEuproValAlaIstEuaIstEserLeuAlaIstAla 73
Db 134 AAGGACTTCCTCCAGAAATGTGAAGGTCAACTCAAAAGTCTTTAACTCCCTGGCGCA--- 190
0Y 74 SerHisArgGlyArgHisGluArgProSerAlaThrThrGlnCysProValLeuArgPro 93
Db 191 -----AAGTAGACTCTCAGAAAGCCCTCA----- 214
0Y 94 GluGluValLeuGluAlaAspThrHisGlnArgSerIleSerProThrPArgTyrArgVal 113
Db 215 -----GACTACCTCAACCGTTCCACGTCACCTGACCTGACTTCACCGC 256
0Y 114 AspThrAspGluAspArgTyrProGlnIlystEuaIstEuaIstEuaIstEuaIstEuaIst 133
Db 257 AATGAGACCTGTAGTATATCTCTGTGTATCTGGAGAGCTCAAGTCCCTCCACACCGC 316
0Y 134 CysIleAspAlaArgThrGlyArgGluThrAlaIstEuaIstEuaIstEuaIstEuaIstEua 153
Db 317 TGTGTCAATGGCGAG---GGAAAGCTGAGCACCAACATGATTTGTGTTCATCCACAA 373
0Y 154 SerLeuValLeuAlaArgArgArgProCysSerArgAspGlySerGlyLeuProThrPro 173
Db 374 GAGATPCTCGTCTCGAAGAGCGAGCCTGAGAGC----- 406
0Y 174 GlyAlaPheAlaPheHisThrGlnPheIstHisValProValGlyCysThrCysVal 192
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RESULT 12
US-09-022-696-6
: Sequence 6, Application US/09022696
: Patent No. 6072037
: GENERAL INFORMATION:
: APPLICANT: Yao, Zhengbin
: APPLICANT: Spriggs, Melanie
: APPLICANT: Fanslow, William
: TITLE OF INVENTION: No. 6072037el Receptor That Binds IL-17
: NUMBER OF SEQUENCES: 10
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Immunex Corporation
: STREET: 51 University Street
: CITY: Seattle
: STATE: WA
: COUNTRY: USA
: ZIP: 98101
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: Apple Power Macintosh
: OPERATING SYSTEM: Apple Operating System 7.5.5
: SOFTWARE: Microsoft Word for Apple, Version 6.0.1
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/09/022.696
: FILING DATE:
: CLASSIFICATION:
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: USSN 08/410.535
: FILING DATE: 23 MARCH 1995
: CLASSIFICATION:
: ATTORNEY/AGENT INFORMATION:
: NAME: Perkins, Patricia Anne
: REGISTRATION NUMBER: 34,655
: REFERENCE/DOCKET NUMBER: 2617-B
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (206)587-0430
: TELEFAX: (206)
: INFORMATION FOR SEQ ID NO: 6:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 498 base pairs

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: TYPE: nucleic acid
: STRANDEDNESS: single
: TOPOLOGY: Linear
: MOLECULE TYPE: cDNA to mRNA
: HYPOTHETICAL: NO
: ANTI-SENSE: NO
: ORIGINAL SOURCE:
: ORGANISM: Murine CTLA-8
:
: FEATURE:
:   NAME/KEY: CDS
:   LOCATION: 14..490
:
: FEATURE:
:   NAME/KEY: sig_peptide
:   LOCATION: 14..88
:
: FEATURE:
:   NAME/KEY: mat_peptide
:   LOCATION: 89..487
:
: US-09-022-696-6.
:
: Alignment Scores:
:   Pred. No.: 4.85e-06      Length: 498
:   Score: 150.50      Matches: 49
:   Percent Similarity: 43.40%      Conservative: 20
:   Best Local Similarity: 30.82%      Mismatches: 61
:   Query Match: 14.03%      Indels: 29
:   DB: 3      Gaps: 4
:
: US-09-854-280-3 (1-197) x US-09-022-696-6 (1-498)
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: Oy 34 ProHIScYtYrSerAlaGlIuGlIuLeuProLeuclYglInAlaProProHISleuLeuAla 53
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:   74 CCGTCACTAGTCTTCGGCGGATCTACTCACTCAAAAGTTCAAGCTGCTCAAAACACTGAGCGC 133
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: Oy 54 ArgcYlaIaIySTRPgYlGlAlaIaIeUProVaIaIaIeUaIaIaIaIaIaIaIaIaIa 73
:   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
:   134 AAGGACTTCCTCCAGAAATGTGAAGTCAACCTCAAAAGCTTTAACTCCCTTGCGCGA--- 190
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: Oy 74 SerHISArgGlYArgHISgluArgProSerAlaThrThrGlnCysProVaIleuArgPro 93
:   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
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:
: Db 94 GluIuVaIleuGlIuAlaIaIaIaIaIaIaIaIaIaIaIaIaIaIaIaIaIaIaIaIaIa 113
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:   215 ----GACTACCTCAACCGTTCCACGTCACGTCACCTGCTCCACCGC 256
:
: Oy 114 AspThrAspGluAspArgTyrProGlnIlyLeuAlaIaIaIaIaIaIaIaIaIaIaIaIa 133
:   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
:   257 AATGAGAGCGCTGTAGATATACCTCTGTGTATCTGGAGAGCTCAAGTCCGCCACCGCC 316
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: Oy 134 CysIleAspAlaAaGThrGlnIyArgGlUThrAlaIaIaIeUaIaIaIaIaIaIaIaIaIa 153
:   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
:   317 TGTGTCAATGGCGAG---GGAAGACTGGACACCAACATGAAATTGTCTTCATCCAGCA 373
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: Oy 154 SerIeUeUaIleuArgArgArgProCysSerArgAspIySerGlyLeuProThrPro 173
:   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
:   374 GAGATCGTGGTCCGAGAGAGGAGCGACTGAGAGC-----
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: RESULT 13
: US-09-022-253-6
:   Sequence 6, Application US/09022253
:   Patent No. 6096305
:
: GENERAL INFORMATION:
:   APPLICANT: Yao, Zhengbin
:   APPLICANT: Spriggs, Melanie
:   APPLICANT: Fanslow, William
:   TITLE OF INVENTION: No. 6096305el Receptor That Binds IL-17
:   NUMBER OF SEQUENCES: 10
:
: CORRESPONDENCE ADDRESS:
:   ADDRESSEE: Immunex Corporation

```

STREET: 51 University Street
CITY: Seattle
STATE: WA
COUNTRY: USA
ZIP: 98101
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Apple Power Macintosh
OPERATING SYSTEM: Apple Operating System 7.5.5
SOFTWARE: Microsoft Word for Apple, Version 6.0.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/022,253
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/620,694
FILING DATE: 21-MARCH-1996
APPLICATION NUMBER: USSN 08/538,765
FILING DATE: 7 AUGUST 1995
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USSN 08/410,535
FILING DATE: 23 MARCH 1995
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Perkins, Patricia Anne
REGISTRATION NUMBER: 34,695
REFERENCE/DOCKET NUMBER: 2617-B
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206)587-0430
TELEFAX: (206)
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 498 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA to mRNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Murine CTLA-8
FEATURE:
NAME/KEY: CDS
LOCATION: 14..490
FEATURE:
NAME/KEY: sig_peptide
LOCATION: 14..88
FEATURE:
NAME/KEY: mat_peptide
LOCATION: 89..487
US-09-022-253-6
Alignment Scores:
Pred. No.: 4.85e-06 Length: 498
Score: 150.50 Matches: 49
Percent Similarity: 43.40% Conservatve: 20
Best Local Similarity: 30.82% Mismatches: 61
Query Match: 14.03% Indels: 29
Gaps: 4
US-09-854-280-3 (1-197) x US-09-022-253-6 (1-498)
QY 34 PROHISCTYTSERIALGLUINLEUPROLEUGLYNALAPROPHISLEULENALA 53
DB 74 CCTGCACAGTTCGCGGTACTCATCCCTCAAACTTACGCGTCCAAACACTGAGGCC 133
QY 54 ATGGGALALVSTPGLYGLNALALEUProVALALALEUValLSErSERLEUGLUALALA 73
DB 134 AAGGACTTCCTCCAGAAATGGAAGTCAACCTCAAGTCTTAAGTCTCCCTGGGCGA- 190
QY 74 SerHISArGLYArGHISGLIArPProSErALArHrTHrGLNcYSProVALLEUArGPro 93

DB 191 -----AAAGTAGCTCCAGAGGCCCTCA----- 214
QY 94 GLUGLUVALLLEUGLUALASPTHrHISGLNArGSErILLESerProTHrPArGYArVAL 113
DB 215 -----GACTAACCTCAACCGTTCCAGTCACTGAGCTGACCTCCACGCC 256
QY 114 ASPTHrASpGLASpArGYrProGLNcYSLLEUALAPheALAGLcYSLcYsArGLY 133
DB 257 AATGAAGACCTGATAGATATATCTGTGATCTGGAAAGCTGAGTGGCCGACACGCGC 316
QY 134 CYSILASpALArGTHrGLYArGLUthrALALALEUASerVALArGLLEUGLN 153
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DB 407 TCCCTTCACCTTACGGGTGAGAGATGCTGTGGGTGGGTGCGCTGACCTGCGTG 463
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US-09-022-260-6
Sequence 6, Application US/09022260
Patent No. 6100235
GENERAL INFORMATION:
APPLICANT: Yao, Zhengbin
APPLICANT: Spriggs, Melanie
APPLICANT: Fanslow, William
TITLE OF INVENTION: NO. 6100235el Receptor That Binds IL-17
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: Immunex Corporation
STREET: 51 University Street
CITY: Seattle
STATE: WA
COUNTRY: USA
ZIP: 98101
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Apple Power Macintosh
OPERATING SYSTEM: Apple Operating System 7.5.5
SOFTWARE: Microsoft Word for Apple, Version 6.0.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/022,260
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/620,694
FILING DATE:
CLASSIFICATION:
APPLICATION NUMBER: USSN 08/410,535
FILING DATE: 23 MARCH 1995
ATTORNEY/AGENT INFORMATION:
NAME: Perkins, Patricia Anne
REGISTRATION NUMBER: 34,695
REFERENCE/DOCKET NUMBER: 2617-B
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206)587-0430
TELEFAX: (206)
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 498 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA to mRNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:


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Db 317 TGTGTCAATGCCGAG---GGAAAGCTGGACCCACATGAATTCGTCTCATCCAGCAA 373
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 Job time : 74 secs

GenCore version 5.1.3
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM protein - nucleic search, using frame_plus.p2n model

Run on: January 26, 2003, 20:36:26 : Search time 97 seconds
(without alignments)
912.424 Million cell updates/sec

Title: US-09-854-280-3

Perfect score: 1073

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Searched: 396772 seqs, 224632407 residues

Total number of hits satisfying chosen parameters: 793544

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Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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-TRANS=human40.cdi -LIST=45 -DOCALLIGN=200 -THR_SCORE=pct -THR_MAX=100
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Match	Length	DB	ID	Description
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2	1073	100.0	594	10	US-09-854-208-17	Sequence 17, Appl
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4	1073	100.0	1047	9	US-10-000-157-3	Sequence 3, Appl1

5	1073	100.0	1047	9	US-10-036-041-10	Sequence 10, Appl
6	1073	100.0	1047	9	US-09-747-259-3	Sequence 3, Appl1
7	1073	100.0	1047	9	US-10-035-855-10	Sequence 10, Appl
8	1073	100.0	1047	9	US-10-174-590-447	Sequence 447, App
9	1073	100.0	1047	9	US-10-176-758-447	Sequence 447, App
10	1073	100.0	1047	9	US-10-175-737-447	Sequence 447, App
11	1073	100.0	1047	10	US-09-854-280-4	Sequence 4, Appl1
12	1073	100.0	1047	10	US-09-854-208-4	Sequence 4, Appl1
13	1073	100.0	1047	12	US-10-036-342-10	Sequence 10, Appl
14	1073	100.0	1047	12	US-10-052-586-447	Sequence 447, App
15	1073	100.0	1067	9	US-09-320-713-28	Sequence 28, Appl
16	1073	100.0	1067	10	US-09-731-816-28	Sequence 28, Appl
17	459	42.8	705	10	US-09-320-713-1	Sequence 1, Appl1
18	459	42.8	705	10	US-09-731-816-1	Sequence 1, Appl1
19	407	37.9	230	10	US-09-854-280-7	Sequence 7, Appl1
20	407	37.9	230	10	US-09-854-208-7	Sequence 7, Appl1
21	261.5	24.4	332	9	US-09-320-713-30	Sequence 30, Appl1
22	261.5	24.4	332	10	US-09-731-816-30	Sequence 30, Appl1
23	201.5	18.8	1754	9	US-09-874-503-7	Sequence 7, Appl1
24	201.5	18.8	1754	9	US-10-000-157-7	Sequence 7, Appl1
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26	194.5	18.1	1496	10	US-09-886-404-9	Sequence 9, Appl1
27	193	18.0	1013	10	US-09-886-404-3	Sequence 3, Appl1
28	192.5	17.9	522	10	US-09-320-713-31	Sequence 31, Appl1
29	192.5	17.9	522	10	US-09-731-816-31	Sequence 31, Appl1
30	192.5	17.9	1641	10	US-09-731-816-3	Sequence 3, Appl1
31	192.5	17.9	1642	9	US-09-320-713-3	Sequence 3, Appl1
32	176	16.4	644	10	US-09-886-404-1	Sequence 1, Appl1
33	176	16.4	900	10	US-09-833-381-930	Sequence 930, App
34	173	16.1	535	9	US-10-063-547-159	Sequence 159, App
35	173	16.1	535	9	US-10-063-616-159	Sequence 159, App
36	173	16.1	535	12	US-10-006-867-159	Sequence 159, App
37	173	16.1	559	9	US-09-874-503-9	Sequence 9, Appl1
38	173	16.1	559	9	US-10-000-157-9	Sequence 9, Appl1
39	173	16.1	559	9	US-09-747-259-9	Sequence 9, Appl1
40	169	15.8	812	9	US-10-114-893-1	Sequence 1, Appl1
41	169	15.8	1320	9	US-09-874-503-5	Sequence 5, Appl1
42	169	15.8	1320	9	US-10-000-157-5	Sequence 5, Appl1
43	169	15.8	1320	9	US-10-063-547-155	Sequence 155, App
44	169	15.8	1320	9	US-09-747-259-5	Sequence 5, Appl1
45	169	15.8	1320	9	US-10-063-616-155	Sequence 155, App

ALIGNMENTS

RESULT 1
US-09-854-280-17
Sequence 17, Application US/09854280
Patent No. US20020052027A1
GENERAL INFORMATION:
APPLICANT: Chen, Jian
APPLICANT: Filvaroff, Ellen
APPLICANT: Goddard, Audrey
APPLICANT: Gurney, Austin
APPLICANT: Li, Hanzhong
APPLICANT: Wood, William I.
TITLE OF INVENTION: IL-17 HOMOLOGOUS POLYPEPTIDES AND THERAPEUTIC USES THEREOF
FILE REFERENCE: P181R1C2
CURRENT APPLICATION NUMBER: US/09/854,280
CURRENT FILING DATE: 2001-05-10
PRIOR APPLICATION NUMBER: US 09/311,832
PRIOR FILING DATE: 1999-05-14
PRIOR APPLICATION NUMBER: US 60/085,579
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: US 60/113,621
PRIOR FILING DATE: 1998-12-23
NUMBER OF SEQ ID NOS: 26
SEQ ID NO 17
LENGTH: 594
TYPE: DNA
ORGANISM: Homo sapiens
US-09-854-280-17

1	APPLICANT:	VanLooken, Memo
2	APPLICANT:	VanLooken, Richard
3	APPLICANT:	Matanabe, Colin K.
4	APPLICANT:	Williams, P. Mickey
5	APPLICANT:	Wood, William I.
6	APPLICANT:	Yansura, Daniel
7	TITLE OF INVENTION:	IL-17 HOMOLOGOUS POLYPEP
8	FILE REFERENCE:	P1361R1CIP3(US)
9	CURRENT APPLICATION NUMBER:	US 09/874,503
10	CURRENT FILING DATE:	2001-06-05
11	PRIOR APPLICATION NUMBER:	US 60/253,646
12	PRIOR FILING DATE:	2000-11-28
13	PRIOR APPLICATION NUMBER:	US 60/244,072
14	PRIOR FILING DATE:	2000-10-26
15	PRIOR APPLICATION NUMBER:	US 60/242,837
16	PRIOR FILING DATE:	2000-10-24
17	PRIOR APPLICATION NUMBER:	US 60/175,481
18	PRIOR FILING DATE:	2000-01-11
19	PRIOR APPLICATION NUMBER:	US 60/191,007
20	PRIOR FILING DATE:	2000-03-21
21	PRIOR APPLICATION NUMBER:	US 60/213,807
22	PRIOR FILING DATE:	2000-06-22
23	PRIOR APPLICATION NUMBER:	US 60/172,096
24	PRIOR FILING DATE:	1999-12-23
25	PRIOR APPLICATION NUMBER:	US 60/138,387
26	PRIOR FILING DATE:	1999-06-09
27	PRIOR APPLICATION NUMBER:	US 60/134,287
28	PRIOR FILING DATE:	1999-05-14
29	PRIOR APPLICATION NUMBER:	US 60/131,022
30	PRIOR FILING DATE:	1999-04-26
31	PRIOR APPLICATION NUMBER:	US 60/130,232
32	PRIOR FILING DATE:	1999-04-21
33	PRIOR APPLICATION NUMBER:	US 60/113,621
34	PRIOR FILING DATE:	1998-12-23
35	PRIOR APPLICATION NUMBER:	US 60/085,579
36	PRIOR FILING DATE:	1998-05-15
37	PRIOR APPLICATION NUMBER:	US 09/854,208
38	PRIOR FILING DATE:	2001-05-10
39	PRIOR APPLICATION NUMBER:	US 09/854,280
40	PRIOR FILING DATE:	2001-05-20
41	PRIOR APPLICATION NUMBER:	US 09/816,744
42	PRIOR FILING DATE:	2001-03-22
43	PRIOR APPLICATION NUMBER:	US 09/747,259
44	PRIOR FILING DATE:	2000-12-20
45	PRIOR APPLICATION NUMBER:	US 09/644,848
46	PRIOR FILING DATE:	2000-08-22
47	PRIOR APPLICATION NUMBER:	US 09/380,142
48	PRIOR FILING DATE:	1999-08-25
49	PRIOR APPLICATION NUMBER:	US 09/380,138
50	PRIOR FILING DATE:	1999-08-25
51	PRIOR APPLICATION NUMBER:	US 09/311,832
52	PRIOR FILING DATE:	1999-05-14
53	PRIOR APPLICATION NUMBER:	US PCT/US01/065200
54	PRIOR FILING DATE:	2001-02-28
55	PRIOR APPLICATION NUMBER:	US PCT/US00/349566
56	PRIOR FILING DATE:	2000-12-20
57	PRIOR APPLICATION NUMBER:	US PCT/US00/326788
58	PRIOR FILING DATE:	2000-12-01
59	PRIOR APPLICATION NUMBER:	US PCT/US00/30873
60	PRIOR FILING DATE:	2000-11-10
61	PRIOR APPLICATION NUMBER:	US PCT/US00/233288
62	PRIOR FILING DATE:	2000-08-24
63	PRIOR APPLICATION NUMBER:	US PCT/US00/152644
64	PRIOR FILING DATE:	2000-06-02
65	PRIOR APPLICATION NUMBER:	US PCT/US00/075532
66	PRIOR FILING DATE:	2000-03-21
67	PRIOR APPLICATION NUMBER:	US PCT/US00/058411
68	PRIOR FILING DATE:	2000-03-02
69	PRIOR APPLICATION NUMBER:	US PCT/US00/056021
70	PRIOR FILING DATE:	2000-03-01
71	PRIOR APPLICATION NUMBER:	US PCT/US00/043411
72	PRIOR FILING DATE:	2000-02-18
73	PRIOR APPLICATION NUMBER:	US PCT/US99/31274

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: PRIOR FILING DATE: 1999-12-30
: PRIOR APPLICATION NUMBER: US PCT/US99/10733
: PRIOR FILING DATE: 1999-05-14
: PRIOR APPLICATION NUMBER: US PCT/US99/05028
: PRIOR FILING DATE: 1999-03-08
: NUMBER OF SEQ ID NOS: 39
: SEQ ID NO 3
: LENGTH: 1047
: TYPE: DNA
: ORGANISM: Homo Sapien
US-09-874-503-3

Alignment Scores:
Pred. No.: 2.01e-89      Length: 1047
Score: 1073.00           Matches: 197
Percent Similarity: 100.00%      Conservativity: 0
Best Local Similarity: 100.00%    Mismatches: 0
Query Match: 100.00%             Indels: 0
DB: 9                       Gaps: 0

US-09-854-280-3 (1-197) x US-09-874-503-3 (1-1047)
Oy      1 MetThrLeuLeuProGlyLeuLeuPheLeuThrTrpLeuHisTrnCysLeuAlaHisHis 20
Db      50 ATGACGCTCTCTCCCGGCGCTCTGTTTTCAGCTGGCTGCACACATGCTGGCCACCATT 105
Oy      21 AspProSerLeuArgGlyHisProHisSerHisGlyThrProHisCysTrySerAlaGlu 40
Db      110 GACCCCTCCCTCAGGGGGGACCCCCACAGTCACGGTACCCACACTGCTACTCGGCTGAG 165
Oy      41 GluLeuProLeuGlyGlnAlaProProHisLeuLeuAlaArgGlyAlaLysTrpGlyGln 60
Db      170 GAACGCGCCCTCGGCGACGGCCCCCACACCTGCTGGCTCAGGTCGCCACGATGGGGGAG 225
Oy      61 AlaLeuProValAlaLeuValSerSerLeuGluGlnAlaAlaSerHisArgGlyArgHisGlu 80
Db      220 GCTTGGCTGTAGACCTGCTGTCTTCAGGCTGGAGGACGACCAACCCACAGGGGAGCGACG 285
Oy      81 ArgProSerAlaThrThrGlnCysProValLeuArgProGluGlnValLeuGluAlaAsp 100
Db      290 AGGCCCTCAGCTAGACACCCAGTGGCCGGTCTGGCGGGGAGGAGGTGGAGGACGAC 345
Oy      101 ThrHisGlnArgSerLisSerProTrpArgTrgArgValAlaSerHisAspGluAspArgTyr 120
Db      350 ACCCAGCGCGCTCCATCTCACTCGGAGATACCGTGTGGACAGGATGAGGACCGGCTAT 405
Oy      121 ProGlnHisLeuAlaPheAlaGluGlnCysLeuGlySerArgGlyCysLisAspAlaArgThrGly 140
Db      410 CCACGAAAGCTGGGCTTGTCCGAGAGGCTGTGGCAGAGGCTGTATCGAAGCAGGAGCGGC 465
Oy      141 ArgGluThrAlaAlaLeuAsnSerValArgLeuLeuGlnInsSerLeuLeuValLeuArgArg 160
Db      470 CGCGAGAGAGCTGCCCTCAACTCCGTGGGGCTGCTCCAGACCTGCTGTCTGCGCCGC 525
Oy      161 ArgProCysSerArgAspGlySerGlyLeuLeuProThrProGlyAlaPheAlaPheHisThr 180
Db      530 CGGCGCTCGTCCGGGAGAGGCTCGGGGCTCCCCACACTGGGGGCTTTGGCTTCCACACC 585
Oy      181 GluPheLeuHisValProValGlyCysThrCysValLeuProArgSerVal 197
Db      590 GAGTTCATCCACGTCCTCCGTGGGTGACCTGCGTGGTCCCGCTTCAGTG 640

RESULT 4
US-10-000-157-3
: Sequence 3, Application US/10000157
: Publication No. US20020182673A1
: GENERAL INFORMATION:
: APPLICANT: Chen, Jian
: APPLICANT: Filvaroff, Ellen
: APPLICANT: Fong, Sherman
: APPLICANT: Goddard, Audrey
: APPLICANT: Godowski, Paul L.
: APPLICANT: Grimaldi, J. Christopher

```

APPLICANT: Gurney, Austin
 APPLICANT: Li, Hanzhong
 APPLICANT: Hillan, Kenneth J
 APPLICANT: Hymowitz, Sarah
 APPLICANT: Tumas, Daniel
 APPLICANT: Starovashnik, Melissa
 APPLICANT: Vanlookeren, Menno
 APPLICANT: Vandlen, Richard
 APPLICANT: Matanabe, Colin
 APPLICANT: Williams, P. Mickey
 APPLICANT: Wood, William
 APPLICANT: Vansura, Daniel
 TITLE OF INVENTION: IL-17 HOMOLOGOUS POLYPEPTIDES AND THERAPEUTIC USES THEREOF
 FILE REFERENCE: P1381R1P4(US)
 CURRENT APPLICATION NUMBER: US/10/000,157
 CURRENT FILING DATE: 2001-10-30
 PRIOR APPLICATION NUMBER: 60/085579
 PRIOR FILING DATE: 1998-05-15
 PRIOR APPLICATION NUMBER: 60/113621
 PRIOR FILING DATE: 1998-12-23
 PRIOR APPLICATION NUMBER: 60/130232
 PRIOR FILING DATE: 1999-04-21
 PRIOR APPLICATION NUMBER: 60/131022
 PRIOR FILING DATE: 1999-04-26
 PRIOR APPLICATION NUMBER: 60/134287
 PRIOR FILING DATE: 1999-05-14
 PRIOR APPLICATION NUMBER: 60/136387
 PRIOR FILING DATE: 1999-06-09
 PRIOR APPLICATION NUMBER: 60/172096
 PRIOR FILING DATE: 1999-12-23
 PRIOR APPLICATION NUMBER: 60/175481
 PRIOR FILING DATE: 2000-01-11
 PRIOR APPLICATION NUMBER: 60/191007
 PRIOR FILING DATE: 2000-03-21
 PRIOR APPLICATION NUMBER: 60/213807
 PRIOR FILING DATE: 2000-06-22
 PRIOR APPLICATION NUMBER: 60/242837
 PRIOR FILING DATE: 2000-10-24
 PRIOR APPLICATION NUMBER: 60/244072
 PRIOR FILING DATE: 2000-10-26
 PRIOR APPLICATION NUMBER: 60/253646
 PRIOR FILING DATE: 2000-11-28
 PRIOR APPLICATION NUMBER: 09/311832
 PRIOR FILING DATE: 1999-05-14
 PRIOR APPLICATION NUMBER: 09/380138
 PRIOR FILING DATE: 1999-08-25
 PRIOR APPLICATION NUMBER: 09/380142
 PRIOR FILING DATE: 1999-08-25
 PRIOR APPLICATION NUMBER: 09/644848
 PRIOR FILING DATE: 2000-08-22
 PRIOR APPLICATION NUMBER: 09/747259
 PRIOR FILING DATE: 2000-12-20
 PRIOR APPLICATION NUMBER: 09/816744
 PRIOR FILING DATE: 2001-03-22
 PRIOR APPLICATION NUMBER: 09/854208
 PRIOR FILING DATE: 2001-05-10
 PRIOR APPLICATION NUMBER: 09/854280
 PRIOR FILING DATE: 2001-05-10
 PRIOR APPLICATION NUMBER: 09/874503
 PRIOR FILING DATE: 2001-06-05
 PRIOR APPLICATION NUMBER: 09/908827
 PRIOR FILING DATE: 2001-07-18
 PRIOR APPLICATION NUMBER: 09/918585
 PRIOR FILING DATE: 2001-07-30
 PRIOR APPLICATION NUMBER: 09/929404
 PRIOR FILING DATE: 2001-08-13
 PRIOR APPLICATION NUMBER: 09/931836
 PRIOR FILING DATE: 2001-08-16
 PRIOR APPLICATION NUMBER: PCT/US99/05028
 PRIOR FILING DATE: 1999-03-08
 PRIOR APPLICATION NUMBER: PCT/US99/10733
 PRIOR FILING DATE: 1999-05-14
 PRIOR APPLICATION NUMBER: PCT/US99/31274

PRIOR FILING DATE: 1999-12-30
 PRIOR APPLICATION NUMBER: PCT/US00/04341
 PRIOR FILING DATE: 2000-02-18
 PRIOR APPLICATION NUMBER: PCT/US00/05601
 PRIOR FILING DATE: 2001-03-01
 PRIOR APPLICATION NUMBER: PCT/US00/05841
 PRIOR FILING DATE: 2000-03-02
 PRIOR APPLICATION NUMBER: PCT/US00/07532
 PRIOR FILING DATE: 2000-03-21
 PRIOR APPLICATION NUMBER: PCT/US00/15264
 PRIOR FILING DATE: 2000-06-02
 PRIOR APPLICATION NUMBER: PCT/US00/23328
 PRIOR FILING DATE: 2000-08-24
 PRIOR APPLICATION NUMBER: PCT/US00/30873
 PRIOR FILING DATE: 2000-11-10
 PRIOR APPLICATION NUMBER: PCT/US00/32678
 PRIOR FILING DATE: 2000-12-01
 PRIOR APPLICATION NUMBER: PCT/US00/34956
 PRIOR FILING DATE: 2000-12-20
 PRIOR APPLICATION NUMBER: PCT/US01/06520
 PRIOR FILING DATE: 2001-02-28
 PRIOR APPLICATION NUMBER: PCT/US01/17800
 PRIOR FILING DATE: 2001-06-01
 PRIOR APPLICATION NUMBER: PCT/US01/19692
 PRIOR FILING DATE: 2001-06-20
 PRIOR APPLICATION NUMBER: PCT/US01/21066
 PRIOR FILING DATE: 2001-06-29
 PRIOR APPLICATION NUMBER: PCT/US01/21735
 PRIOR FILING DATE: 2001-07-09
 NUMBER OF SEQ ID NOS: 39
 SEQ ID NO: 3
 LENGTH: 1047
 TYPE: DNA
 ORGANISM: Homo Sapien
 US-10-000-157-3
 Alignment Scores:
 Pred. No.: 2,01e-89 Length: 1047
 Score: 1073.00 Matches: 197
 Percent Similarity: 100.00% Conservative: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 100.00% Indels: 0
 Gaps: 0
 US-09-854-280-3 (1-197) x US-10-000-157-3 (1-1047)
 QY 1 MetThrLeuLeuProGlyLeuLeuPheLeuThrTrpLeuHisThrCysLeuAlaHisHis 20
 DB 50 ATGACGCTCTCCCGCGGCTCTGTTGACCTGGCTGACACATGCTGGCCACCAT 109
 QY 21 AspProSerLeuAlaGlyHisProHisSerHisGlyThrProHisCysTyrSerAlaGly 40
 DB 110 GACCCCTCCCTCAGGGGGACCCCAACACATCGAGTACCCACACTGCTACTCGGCTGAG 169
 QY 41 GluLeuProLeuGlyGlyAlaLeuProHisLeuAlaLeuAlaSerHisGlyAlaGlyTrpGly 60
 DB 170 GAAGTCCCTCCGCGGACGAGCCCAACACATCGAGTACCCACACTGCTACTCGGCTGAG 229
 QY 61 AlaLeuProValAlaLeuValSerSerLeuGlyAlaAlaSerHisGlyAlaGlyTrpGly 80
 DB 230 GCTTTCCTGTCGCTGCTGTCGAGCTGAGGACGACACACACGAGGAGGAGGAGGAGGAG 289
 QY 81 ArgProSerAlaThrThrGlyCysProValLeuAlaTrpProGlyGlyValLeuGlyAlaAsp 100
 DB 290 AGGCGCTCAGCTAGACACCATGCGCGTGTGGCGGAGGAGGAGGAGGAGGAGGAGGAG 349
 QY 101 ThrHisGlnArgSerHisSerProTrpArgTyrAlaGlyAlaSerHisGlyAlaGlyTrpGly 120
 DB 350 ACCCACCGCGCTCAGTACCTGAGATACCGTGTGACACGAGTACGAGGAGGAGGAGGAGGAG 409
 QY 121 ProGlnHisLeuAlaPheAlaGlyCysLeuGlyAlaGlyCysHisAlaSerAlaGlyTrpGly 140
 DB 410 CCACGAGAGCTGCTTCCGCGAGTGTGCTGTGACGAGGAGGAGGAGGAGGAGGAGGAGGAG 469


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Pred. No.: 2.01e-83
Score: 1073.00
Percent Similarity: 100.008
Best Local Similarity: 100.008
Query Match: 100.008
DB: 9

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Length:      1047
Matches:     197
Conservative: 0
Mismatches:  0
Indels:      0
Gaps:        0

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US-10-036-041-10 (1-1047)

QY 1 MetThrIleuLeuProGlyIleuLeuPheLeuTrpPleuHisThrCysLeuAlaHisHis 20
Db 50 ATGACCTCTCTCCGGGCTCTCTGTTTCGACCTTGCGACACATGCTGGCCACCAT 109
QY 21 AspProSerLeuArgGlyHisProHisSerHisGlyThrProHisCysTyrSerAlaGlu 40
Db 110 GACCTCTCTCTCAGGGGGACCCCCACAGTACGTTACCCACATGCTACTCGGGTAG 169
QY 41 GluLeuProLeuGlyGlnAlaProProHisIleuLeuAlaArgGlyAlaTyrPylGln 60
Db 170 GAACGTGCCCCCTGGCGACGGCCCCCACACCTGCTGAGTGGCCAGTGGCGGCGAC 229
QY 61 AlaLeuProValAlaLeuValSerSerLeuGlnAlaAlaSerHisArgGlyArgHisGlu 80
Db 230 GCTTGGCTCTGACCTCTGCTGTGCACCTTGAGGACACAAACCACAGGGGAGGACAG 289
QY 81 ArgProSerAlaThrThrGlnCysProValLeuArgProGluGluValLeuGlnAlaAsp 100
Db 290 AGGCCCCAGCTACAGCACCCAGCTGCGCGGTCTGTGGCGCGAGAGGAGTGTGGAGGAGAC 349
QY 101 ThrHisGlnArgSerIleSerProTrpArgTyrArgValAspThrAspGluAspArgTyr 120
Db 350 ACCCACACACCTCTCATCTCCCTGGAGATACCGTGTGGACAGCATGATGAGACCCCTAT 409
QY 121 ProGlnIysLeuAlaPheAlaGlnCysLeuCysArgGlyCysIleAspAlaArgThrGly 140
Db 410 CCACAGAGAGCTGGGCTTCCGCGAGTGGCTTGCAGAGCGTGAATGCATGCACGGACGGCC 469
QY 141 ArgGlnTrpAlaAlaLeuAsnSerValArgLeuLeuGlnSerLeuLeuValLeuArgTyr 160
Db 470 CGCCAGACAGTGTGGCTCAACTCCGTGGGCTCTCTCCAGAGCTGCTGTGCTGGCGCC 529
QY 161 ArgProCysSerAlaGspGlySerGlyLeuProThrProGlyAlaPheAlaHisHisThr 180
Db 530 CGGGCTGTCTCCGGCAGAGGCTGGGGCTTCCACACCTGGGGCCCTTGCCTTCCACACC 589
QY 181 GluPheIleHisValProValGlyCysTrpCysValLeuProArgSerVal 197
Db 590 GAGTTATATCCACCTCCCGTGGCTGCACCTGGTGTCTCCCTTCCATGTC 640

S-09-747-259-3
Sequence 3, Application US/09747259
Publication No. US20030008815A1
GENERAL INFORMATION

APPLICANT:	Chen, Jian
APPLICANT:	Chen, Jian, Inc.
APPLICANT:	Filvarioff, Ellen
APPLICANT:	Fong, Sherman
APPLICANT:	Goddard, Audrey
APPLICANT:	Godowski, Paul
APPLICANT:	Grimaldi, Christopher
APPLICANT:	Gurney, Austin
APPLICANT:	Li, Hanzhong
APPLICANT:	Hillan, Kenneth
APPLICANT:	Tunias, Daniel
APPLICANT:	Vanlookeren, Menno
APPLICANT:	Vandlen, Richard
APPLICANT:	Watanabe, Collin
APPLICANT:	Williams, P. Mickey
APPLICANT:	Wood, William
APPLICANT:	Yansura, Daniel
TITLE OF INVENTION:	IL-17 HOMOLOGOUS POLYPEPTIDES AND THERAPEUTIC USES THEREOF

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1 FILE REFERENCE: PI381R1CPI(US)
2 CURRENT APPLICATION NUMBER: US 09/747,255
3 CURRENT FILING DATE: 2000-12-20
4 PRIOR APPLICATION NUMBER: US 09/311,832
5 PRIOR FILING DATE: 1999-05-14
6 PRIOR APPLICATION NUMBER: US 60/172,096
7 PRIOR FILING DATE: 1999-12-23
8 PRIOR APPLICATION NUMBER: PCT/US99/31274
9 PRIOR FILING DATE: 1999-12-30
10 PRIOR APPLICATION NUMBER: US 60/175,481
11 PRIOR FILING DATE: 2000-01-11
12 PRIOR APPLICATION NUMBER: PCT/US00/04341
13 PRIOR FILING DATE: 2000-02-18
14 PRIOR APPLICATION NUMBER: PCT/US00/05841
15 PRIOR FILING DATE: 2000-03-02
16 PRIOR APPLICATION NUMBER: US 60/191,007
17 PRIOR FILING DATE: 2000-03-21
18 PRIOR APPLICATION NUMBER: PCT/US00/07532
19 PRIOR FILING DATE: 2000-03-21
20 PRIOR APPLICATION NUMBER: PCT/US00/15264
21 PRIOR FILING DATE: 2000-06-02
22 PRIOR APPLICATION NUMBER: US 60/213,087
23 PRIOR FILING DATE: 2000-06-22
24 PRIOR APPLICATION NUMBER: US 09/644,848
25 PRIOR FILING DATE: 2000-08-22
26 PRIOR APPLICATION NUMBER: PCT/US00/23328
27 PRIOR FILING DATE: 2000-08-24
28 PRIOR APPLICATION NUMBER: US 60/242,837
29 PRIOR FILING DATE: 2000-10-24
30 PRIOR APPLICATION NUMBER: PCT/US00/30873
31 PRIOR FILING DATE: 2000-11-10
32 PRIOR APPLICATION NUMBER: US 60/253,646
33 PRIOR FILING DATE: 2000-11-28
34 PRIOR APPLICATION NUMBER: PCT/US00/32678
35 PRIOR FILING DATE: 2000-12-01
36 NUMBER OF SEQ ID NOS: 39
37 SEQ ID NO 3
38 LENGTH: 1047
39 TYPE: DNA
40 ORGANISM: Homo Sapien
41 US-09-747-259-3

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US-09-747-259-3

Pred. NO.:	2.01e-89	Length:	104
Score:	1073.00	Matches:	197
Percent Similarity:	100.00%	Conservative:	0
Best Local Similarity:	100.00%	Mismatches:	0
Query Match:	100.00%	Indels:	0
DB:	9	Gaps:	0

US-09-854-280-3 (1-197) x US-09-747-259-3 (1-1047)

QY	1	MethrIleuLeuProGlyIleuLeuPheLeuThrTrpLeuHisThrCysLeuAlaHisHis	20
Db	50	ATGAGCTCTCTCCCGGCTCTGTTTGTGACCGCTGCACACATGCTGGCCACCAT	109
QY	21	AsPProSerLeuArgGlyHisProHisSerHisGlyThrProHisCysTyrSerAlaGlu	40
Db	110	GACCCCTCCCTCAGGGGGGACCCCCACAGTCAGGATACCCCACTGCTACTGGCTGAG	168
QY	41	GluLeuProGluGlyGlyAlaProProHisLeuLeuAlaArgGlyAlaAlaLysTrpGlyGln	60
Db	170	GAACTCGCTGGCCGACGCCCCCCCCAACCTCTGGTCGAGGGGCCAACATGGGGGCAG	229
QY	61	AlaLeuProValAlaLeuValSerSerLeuGluAlaAlaSerHisArgGlyAraHisGlu	80
Db	230	GCTTTCCTCGTAGCCCTGGTGTCCAGCTCGAGGACGACCAGCCACAGGGGGAGGCACGAG	289
QY	81	ArgProSerAlaThrThrGlnCysProValLeuAraProGluGlyValLeuGluAlaAsp	100
Db	290	AGGCTCTCAGCTAGACCCGATGCTGCCGCTCTGCGCCGAGGAGAGTGTTCGAGCGACGAC	349
QY	101	ThrHisGlnAraGlySerLleSerProTrrPArgTyrAraValAlaPrrHisAspGluAspArgTyr	120

PRIOR APPLICATION NUMBER: 60/131872
PRIOR FILING DATE: 1999-04-27
PRIOR APPLICATION NUMBER: 60/131291
PRIOR FILING DATE: 1999-04-27
PRIOR APPLICATION NUMBER: 60/132371
PRIOR FILING DATE: 1999-05-04
PRIOR APPLICATION NUMBER: 60/132379
PRIOR FILING DATE: 1999-05-04
PRIOR APPLICATION NUMBER: 60/132383
PRIOR FILING DATE: 1999-05-04
PRIOR APPLICATION NUMBER: 60/135750
PRIOR FILING DATE: 1999-05-25
PRIOR APPLICATION NUMBER: 60/138166
PRIOR FILING DATE: 1999-06-08
PRIOR APPLICATION NUMBER: 60/144791
PRIOR FILING DATE: 1999-07-20
PRIOR APPLICATION NUMBER: 60/146970
PRIOR FILING DATE: 1999-08-03

PRIOR FILING DATE:	1999-10-29
PRIOR APPLICATION NUMBER:	09/311832
PRIOR FILING DATE:	1999-05-14
PRIOR APPLICATION NUMBER:	09/280142
PRIOR FILING DATE:	1999-08-25
PRIOR APPLICATION NUMBER:	09/644848
PRIOR FILING DATE:	2000-08-22
PRIOR APPLICATION NUMBER:	09/747559
PRIOR FILING DATE:	2000-12-20
PRIOR APPLICATION NUMBER:	09/816744
PRIOR FILING DATE:	2001-03-22
PRIOR APPLICATION NUMBER:	09/854208
PRIOR FILING DATE:	2001-05-10
PRIOR APPLICATION NUMBER:	09/854280
PRIOR FILING DATE:	2001-05-10
PRIOR APPLICATION NUMBER:	09/874503
PRIOR FILING DATE:	2001-06-05
PRIOR APPLICATION NUMBER:	09/869599
PRIOR FILING DATE:	2001-06-29
PRIOR APPLICATION NUMBER:	09/908,827
PRIOR FILING DATE:	2001-07-18
PRIOR APPLICATION NUMBER:	PCT/US99/107333
PRIOR FILING DATE:	1999-05-14
PRIOR APPLICATION NUMBER:	PCT/US99/28551
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PRIOR APPLICATION NUMBER:	PCT/US99/30720
PRIOR FILING DATE:	1999-12-22
PRIOR APPLICATION NUMBER:	PCT/US00/05601
PRIOR FILING DATE:	2000-03-01
PRIOR APPLICATION NUMBER:	PCT/US00/05841
PRIOR FILING DATE:	2000-03-02
PRIOR APPLICATION NUMBER:	PCT/US00/140424
PRIOR FILING DATE:	2000-05-22
PRIOR APPLICATION NUMBER:	PCT/US00/152664
PRIOR FILING DATE:	2000-06-02
PRIOR APPLICATION NUMBER:	PCT/US00/235222
PRIOR FILING DATE:	2000-08-23
PRIOR APPLICATION NUMBER:	PCT/US00/233282
PRIOR FILING DATE:	2000-08-24
PRIOR APPLICATION NUMBER:	PCT/US00/326787
PRIOR FILING DATE:	2000-12-01
PRIOR APPLICATION NUMBER:	PCT/US00/34956
PRIOR FILING DATE:	2000-12-20
PRIOR APPLICATION NUMBER:	PCT/US01/065222
PRIOR FILING DATE:	2001-02-28
PRIOR APPLICATION NUMBER:	PCT/US01/178000
PRIOR FILING DATE:	2001-06-01
PRIOR APPLICATION NUMBER:	PCT/US01/196929
PRIOR FILING DATE:	2001-06-20
PRIOR APPLICATION NUMBER:	PCT/US01/210666
PRIOR FILING DATE:	2001-06-29
PRIOR APPLICATION NUMBER:	PCT/US01/217355
PRIOR FILING DATE:	2001-07-09
NUMBER OF SEQ ID NOS:	80

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; SEQ ID NO 10
; LENGTH: 1047
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-035-855-10

Alignment Scores:
Pred. No.: 2,01e-89
Score: 1073.00
Percent Similarity: 100.00%
Best Local Similarity: 100.00%
Query Match: 100.00%
DB: 9
Length: 1047
Matches: 197
Conservative: 0
Mismatch: 0
Indels: 0
Gaps: 0

US-09-854-280-3 (1-197) x US-10-035-855-10 (1-1047)
QY 1 MetThrLeuLeuProGlyLeuLeuPheLeuThrTrpLeuHisThrCysLeuAlaHisHis 20
Db 50 ATGACGCTCTCCCGGCTCTCTGTTCTGACCTGGCTGCACACATGCTGGCCACCAT 109
QY 21 AspProSerLeuArgGlyHisProHisSerHisGlyThrProHisCysTyrSerAlaGlu 40
Db 110 GACCCCTCCCTCAGGGGGACCCACACAGTACAGTACCCACACTCTCTCTGGCTGAG 169
QY 41 GluLeuProLeuGlyGlnAlaProProHisLeuLeuAlaArgGlyAlaLysTrpGlyGln 60
Db 170 GAACGGCCCTCCGCGCAGGGCCCCCACCACCTGCTGCTGAGGTGCCAGTGGGGGAG 229
QY 61 AlaLeuProValAlaLeuValSerLeuGluAlaAlaSerHisArgGlyArgHisGlu 80
Db 230 GCTTGGCTGTAGCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 289
QY 81 ArgProSerAlaThrTrpGlnCysProValLeuArgProGluGluValLeuGluAlaAsp 100
Db 290 AGGCGCTCAGCTACGACCCAGTCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 349
QY 101 ThrHisGlnArgSerLeuSerProTrpArgTyrArgValAspThrAspGluAspArgTyr 120
Db 350 ACCGACGAGGCTCCATCTACCTGAGATACCGTGTGACACGGATGAGGACCGCTAT 409
QY 121 ProGlnLysLeuAlaPheAlaGluCysLeuCysArgGlyCysIleAspAlaArgThrGly 140
Db 410 CCACAGAGAGCTGCTCCGCGAGTCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 469
QY 141 ArgGlnThrAlaAlaLeuAsnSerValArgLeuLeuGlnSerLeuLeuValLeuArgArg 160
Db 470 CGGAGACAGCTCCGCTCACTCCGCGGCTGCTCAGAGCTCTGCTGCTGCTGCTGCTGCT 529
QY 161 ArgProCysSerArgAspLysSerGlyLeuProThrProGlyAlaPheAlaPheHisThr 180
Db 530 CGGCGCTGCTCCGCGAGCGCTGCGGGCTGCCACACCTGGGGGCTTTGCTTCCACACC 589
QY 181 GluPheIleHisValProValGlyCysThrCysValLeuProArgSerVal 197
Db 590 GACTTCATCCAGCTCCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 640

RESULT 8
US-10-174-590-447
; Sequence 447, Application US/10174590
; Publication No. US20030008352A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
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; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C42
; CURRENT APPLICATION NUMBER: US/10/174,590
; CURRENT FILING DATE: 2002-06-18
; Prior application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 447
; LENGTH: 1047
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-174-590-447

Alignment Scores:
Pred. No.: 2,01e-89
Score: 1073.00
Percent Similarity: 100.00%
Best Local Similarity: 100.00%
Query Match: 100.00%
DB: 9
Length: 1047
Matches: 197
Conservative: 0
Mismatch: 0
Indels: 0
Gaps: 0

US-09-854-280-3 (1-197) x US-10-174-590-447 (1-1047)
QY 1 MetThrLeuLeuProGlyLeuLeuPheLeuThrTrpLeuHisThrCysLeuAlaHisHis 20
Db 50 ATGACGCTCTCCCGGCTCTCTGTTCTGACCTGGCTGCACACATGCTGGCCACCAT 109
QY 21 AspProSerLeuArgGlyHisProHisSerHisGlyThrProHisCysTyrSerAlaGlu 40
Db 110 GACCCCTCCCTCAGGGGGACCCACACAGTACAGTACCCACACTCTCTCTGGCTGAG 169
QY 41 GluLeuProLeuGlyGlnAlaProProHisLeuLeuAlaArgGlyAlaLysTrpGlyGln 60
Db 170 GAACGGCCCTCCGCGCAGGGCCCCCACCACCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 229
QY 61 AlaLeuProValAlaLeuValSerLeuGluAlaAlaSerHisArgGlyArgHisGlu 80
Db 230 GCTTGGCTGTAGCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 289
QY 81 ArgProSerAlaThrTrpGlnCysProValLeuArgProGluGluValLeuGluAlaAsp 100
Db 290 AGGCGCTCAGCTACGACCCAGTCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 349
QY 101 ThrHisGlnArgSerLeuSerProTrpArgTyrArgValAspThrAspGluAspArgTyr 120
Db 350 ACCGACGAGGCTCCATCTACCTGAGATACCGTGTGACACGGATGAGGACCGCTAT 409
QY 121 ProGlnLysLeuAlaPheAlaGluCysLeuCysArgGlyCysIleAspAlaArgThrGly 140
Db 410 CCACAGAGAGCTGCTCCGCGAGTCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 469
QY 141 ArgGlnThrAlaAlaLeuAsnSerValArgLeuLeuGlnSerLeuLeuValLeuArgArg 160
Db 470 CGGAGACAGCTCCGCTCACTCCGCGGCTGCTCAGAGCTCTGCTGCTGCTGCTGCTGCT 529
QY 161 ArgProCysSerArgAspLysSerGlyLeuProThrProGlyAlaPheAlaPheHisThr 180
Db 530 CGGCGCTGCTCCGCGAGCGCTGCGGGCTGCCACACCTGGGGGCTTTGCTTCCACACC 589
QY 181 GluPheIleHisValProValGlyCysThrCysValLeuProArgSerVal 197
Db 590 GACTTCATCCAGCTCCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 640

RESULT 9
US-10-176-758-447
; Sequence 447, Application US/10176758
; Publication No. US20030008353A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
```

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APPLICANT: Pan,James
APPLICANT: Smith,Victoria
APPLICANT: Watanabe,Colin K.
APPLICANT: Wood,William I.
APPLICANT: Zhang,Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3430RIC104
CURRENT APPLICATION NUMBER: US/10/176,758
CURRENT FILING DATE: 2002-06-21
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 612
SEQ ID NO 447
LENGTH: 1047
TYPE: DNA
ORGANISM: Homo Sapien
US-10-176-758-447

Alignment Scores:
Pred. No.: 2,01e-89 Length: 1047
Score: 1073.00 Matches: 197
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 9 Gaps: 0

US-09-854-280-3 (1-197) x US-10-176-758-447 (1-1047)
QY 1 MethThrLeuLeuProGlyLeuLeuPheLeuThrTrpLeuHisThrCysLeuAlaHisHis 20
DB 50 ATGACCTCTCCCTCCCGGCTGTTCTGACCTGCTGCACACATGCTGGCCACCAT 109
QY 21 AspProSerLeuArgLysHisProHisSerHisGlyThrProHisCysTyrSerAlaGlu 40
DB 110 GACCCCTCCCTCAAGGGGACACCCCACTCAAGGTAACCCACACTGCTAGTGG 169
QY 41 GluLeuProLeuGlyGlnAlaProProHisLeuLeuAlaArgGlyAlaLysTrpGlyGln 60
DB 170 GAACCTCCCTCGGGGACGCCCCCACTGCTGCTGAGTCCCAAGTGGGGGACG 229
QY 61 AlaLeuProValAlaLeuValSerSerLeuGluAlaAlaSerHisArgGlyArgHisGlu 80
DB 230 GCTTTCCTGTAAGCCCTGCTGTCACACCTGAGGAGGACAGGAGGGGAGGACGAG 289
QY 81 ArgProSerAlaThrThrGlnCysProValLeuArgProGluGluValLeuGluAlaAsp 100
DB 290 AGGCTCTCACTACAGACCCAGTGCCTGCTGCTGCGGAGAGGTGTTGGAGGACAG 349
QY 101 ThrHisGlnArgSerLieserProTrpArgTyrArgValAspThrAspLysAspArgTyr 120
DB 350 ACCGACACGCTGCTCATCTCACCTGAGATACCGTGTGACACGAGATGAGGACGCTAT 409
QY 121 ProGlnLysLeuAlaPheAlaGlyCysLeuCySarGlyCysIleAspAlaArgThrGly 140
DB 410 CCACAGAACTGCGCTTCCCGGAGTGCCTGTCAGAGGCTGTATCATCATCACGAGGAGGC 469
QY 141 ArgGluThrAlaAlaLeuAsnSerValArgLeuLeuGlnSerLeuLeuValLeuArgArg 160
DB 470 CCGGAGACAGCTGCGCTCACTCCGCGGCTGCTCCAGAGCTGCTGCTGCTGCCGCC 529
QY 161 ArgProCysSerArgAspLysSerGlyLeuProThrProGlyAlaPheAlaPheHisThr 180
DB 530 CGGCTCTCTCCCGGAGGCTCGGGGCTCCCAACCTGGGGGCTTTTCCCTTCCACACC 589
QY 181 GluPheIleHisValProValGlyCysThrCysValLeuProArgSerVal 197
DB 590 GAGTTTCATCCAGTCCCGCTCGGCTGACACTGCTGCTGCTCCCGTTCACTG 640

RESULT 10
US-10-175-737-447
: Sequence 447, Application US/10175737
: Publication No. US20030013153A1
: GENERAL INFORMATION:
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APPLICANT: Baker, Kevin P.
APPLICANT: Chen,Jian
APPLICANT: Desnoyers, Luc
APPLICANT: Goddard,Audrey
APPLICANT: Godowski,Paul J.
APPLICANT: Gurney,Austin L.
APPLICANT: Pan,James
APPLICANT: Smith,Victoria
APPLICANT: Watanabe,Colin K.
APPLICANT: Wood,William I.
APPLICANT: Zhang,Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3430RIC50
CURRENT APPLICATION NUMBER: US/10/175,737
CURRENT FILING DATE: 2002-06-19
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 612
SEQ ID NO 447
LENGTH: 1047
TYPE: DNA
ORGANISM: Homo Sapien
US-10-175-737-447

Alignment Scores:
Pred. No.: 2,01e-89 Length: 1047
Score: 1073.00 Matches: 197
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 9 Gaps: 0

US-09-854-280-3 (1-197) x US-10-175-737-447 (1-1047)
QY 1 MethThrLeuLeuProGlyLeuLeuPheLeuThrTrpLeuHisThrCysLeuAlaHisHis 20
DB 50 ATGACCTCTCCCTCCCGGCTGTTCTGACCTGCTGCACACATGCTGGCCACCAT 109
QY 21 AspProSerLeuArgLysHisProHisSerHisGlyThrProHisCysTyrSerAlaGlu 40
DB 110 GACCCCTCCCTCAAGGGGACACCCCACTCAAGGTAACCCACACTGCTAGTGG 169
QY 41 GluLeuProLeuGlyGlnAlaProProHisLeuLeuAlaArgGlyAlaLysTrpGlyGln 60
DB 170 GAACCTCCCTCGGGGACGCCCCCACTGCTGCTGAGTCCCAAGTGGGGGACG 229
QY 61 AlaLeuProValAlaLeuValSerSerLeuGluAlaAlaSerHisArgGlyArgHisGlu 80
DB 230 GCTTTCCTGTAAGCCCTGCTGTCACACCTGAGGAGGACAGGAGGGGAGGACGAG 289
QY 81 ArgProSerAlaThrThrGlnCysProValLeuArgProGluGluValLeuGluAlaAsp 100
DB 290 AGGCTCTCACTACAGACCCAGTGCCTGCTGCTGCGGAGAGGTGTTGGAGGACAG 349
QY 101 ThrHisGlnArgSerLieserProTrpArgTyrArgValAspThrAspLysAspArgTyr 120
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QY 121 ProGlnLysLeuAlaPheAlaGlyCysLeuCySarGlyCysIleAspAlaArgThrGly 140
DB 410 CCACAGAACTGCGCTTCCCGGAGTGCCTGTCAGAGGCTGTATCATCATCACGAGGAGGC 469
QY 141 ArgGluThrAlaAlaLeuAsnSerValArgLeuLeuGlnSerLeuLeuValLeuArgArg 160
DB 470 CCGGAGACAGCTGCGCTCACTCCGCGGCTGCTCCAGAGCTGCTGCTGCTGCCGCC 529
QY 161 ArgProCysSerArgAspLysSerGlyLeuProThrProGlyAlaPheAlaPheHisThr 180
DB 530 CGGCTCTCTCCCGGAGGCTCGGGGCTCCCAACCTGGGGGCTTTTCCCTTCCACACC 589
QY 181 GluPheIleHisValProValGlyCysThrCysValLeuProArgSerVal 197
DB 590 GAGTTTCATCCAGTCCCGCTCGGCTGACACTGCTGCTGCTCCCGTTCACTG 640
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Pred. No.: 2.01e-89 Length: 1047
Score: 1073.00 Matches: 197
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 12 Gaps: 0

US-09-854-280-3 (1-197) x US-10-036-342-10 (1-1047)

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DB 50 ATGAGCTCTCTCCCGGCTCTCTTTTCGACCTGCTGACACATGCTGCGCCACCAT 109
QY 21 AspProSerLeuArgGlyHisProHisSerHisGlyThrProHisCysTyrSerAlaGlu 40
DB 110 GACCCCTCCCTCAGGGGAGACCCACAGTACGCTACCCCACTGCTACTCGGCTAG 169
QY 41 GluLeuProLeuGlyGlyAlaLeuProHisLeuLeuAlaArgGlyAlaLysTrpGlyGln 60
DB 170 GAACCTGCCCCCTGGCCAGGCCCCCCCCACACCTGCTGCTCAGAGTGCACAGTGGGAG 229
QY 61 AlaLeuProValAlaLeuValSerSerLeuGluAlaHisSerHisArgGlyArgHisGlu 80
DB 230 GCTTGCTGTTAGCCCTGTGTGTCCAGCTGAGGAGCAGACACACAGGGGAGGACAG 289
QY 81 ArgProSerAlaThrThrGlnCysProValLeuArgProGluGluValLeuGluAlaAsp 100
DB 290 AGGCTCTAGCTACAGACACAGTGCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 349
QY 101 ThrHisGlnArgSerHisSerProTrpArgTrpArgValAspTrpAspGlyAspArgTyr 120
DB 350 ACCCAGCAGCCCTCATCTCATCTCATCTCATCTCATCTCATCTCATCTCATCTCATCT 409
QY 121 ProGlnLysLeuAlaPheAlaGluCysLeuCysArgGlyLysLysLeuAlaArgThrGly 140
DB 410 CCACAGAGCTGGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 469
QY 141 ArgGluThrAlaAlaLeuAsnSerValArgLeuLeuLysSerLeuValLeuArgArg 160
DB 470 CGCAGACAGCTGGCGTCACTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 529
QY 161 ArgProCysSerArgAspGlySerGlyLeuProThrProGlyAlaPheAlaPheHisThr 180
DB 530 CGGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 589
QY 181 GluPheHisValProValGlyCysThrCysValLeuProArgSerVal 197
DB 590 GAGTCTATCCACTGCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 640

RESULT 14
US-10-052-586-447
Sequence 447, Application US/10052586
Patent No. US20020127584A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Chen, Jian
APPLICANT: Desnoyers, Luc
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurev, Austin L.
APPLICANT: Pan, James
APPLICANT: Smith, Victoria
APPLICANT: Watanabe, Colin K.
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3430P1C1
CURRENT APPLICATION NUMBER: US/10/052,586
PRIOR FILING DATE: 2002-01-15
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059266

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PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
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PRIOR APPLICATION NUMBER: 60/089514
PRIOR FILING DATE: 1998-06-16
PRIOR APPLICATION NUMBER: 60/089538
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089598
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089653
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089908
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Alignment Scores:
Pred. No.: 2,01e-89 Length: 1047
Score: 1073.00 Matches: 197
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
Gaps: 12 Gaps: 0
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US-09-854-280-3 (1-197) x US-10-052-586-447 (1-1047)

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DB 50 ATGAGCGCTCTCCCGCGCTCTGTTGTGACCTGGCTGCACAGACCTGCGCCACCAAT 109
QY 21 AspProSerLeuArgGlyHisProHisSerHisGlyThrProHisCysTyrSerAlaGlu 40
DB 110 GACCCCTCCCTCAGGGGGGACCCCACTCAGTACGCCACACAGTCTGCTGAG 169
QY 41 GluLeuProLeuGlyGlnAlaProProHisLeuLeuAlaArgGlyAlaLysTrpGlyGln 60
DB 170 GAACCTGCCCCCTGGCGCCAGCCCCCACACCTGCTGAGTGCAGTGGGGCGAG 229
QY 61 AlaLeuProValAlaLeuValSerSerLeuGlnAlaAlaSerHisArgGlyLysTrpHisGlu 80
DB 230 GCTTTGCTGTGAGCCCTGCTGTCCAGCTGGAGGACGACAGCCAGCGGGGAGCGAG 289
QY 81 ArgProSerAlaThrThrGlnCysProValLeuArgProGluGlnValLeuGlnAlaAsp 100
DB 290 AGCCCTCAGTACGACGACCCAGTGGCCGCTGCGGGCGGAGAGAGGTGTGGAGGCGAGAC 349
QY 101 ThrHisGlnArgSerTyrSerProTrpArgTyrArgValAspThrAspGluAspArgTyr 120
DB 350 ACCCACACGCGCTCCATCATCCACCTGGAGATACCGTGTGACAGCAGATAGCAGCGCTAT 409
QY 121 ProGlnLysLeuAlaPheLeuGlnCysLeuGlyCysArgGlyCysLysAspAlaArgTrpGly 140
DB 410 CCACAGAGCTGCGCTCCCGCAGTGCCTGTGCAGAGGCTGTATGATTCACAGGAGGAGG 469
QY 141 ArgGluThrAlaAlaLeuValSerValArgLeuLeuGlnSerLeuLeuValLeuArgTyr 160
DB 141 ArgGluThrAlaAlaLeuValSerValArgLeuLeuGlnSerLeuLeuValLeuArgTyr 160
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Db	470	CGGAGACAGACGTGGCTCAACTCGCTGGCGCTCTCCAGAGCCCTCGTGGTGGCGCG	528
Oy	161	ArgProCysSerArgAspGlySerGlyLeuProThnProGlyValAlaPhaIleHisThr	180
Db	530	CGGCGCTGCTCCCGGAGAGGCTCGGGGCTCCCAACACTGGGGCCCTTGGCTTCCAAAC	589
Oy	181	GluPheIleHisValProValGlyCysThnCysValLeuProArgSerVal	197
Db	590	GAGTTATATCCACGTCCTCCGTCGGGTGCACCTGGGTCTCCCGCTTCAATG	640

Genfore version 5.1.3
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OM nucleic - nucleic search, using sw model

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Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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7	40.8	6.9	291	4	US-08-931-858E-199
8	40.8	6.9	291	4	US-08-931-858E-200
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27	36.4	6.2	1309	3	US-08-362-495-4

c 28	36.4	6.2	1309	4	US-09-408-508-4	Sequence 4, Appli
c 29	36.2	6.1	43280	2	US-08-804-227C-1	Sequence 1, Appli
c 30	36	6.1	1926	4	US-09-249-585A-4	Sequence 1, Appli
31	36	6.1	1931	2	US-09-130-114-2	Sequence 2, Appli
32	35.6	6.0	813	1	US-08-514-014-11	Sequence 11, Appli
33	35.6	6.0	813	3	US-08-833-823-11	Sequence 11, Appli
34	35.6	6.0	813	3	US-09-034-810-1	Sequence 1, Appli
35	35.6	6.0	813	3	US-08-685-239-1	Sequence 1, Appli
c 36	35.2	6.0	1866	3	US-08-909-742-1	Sequence 1, Appli
c 37	35.2	6.0	1866	4	US-09-412-288-1	Sequence 1, Appli
38	35.2	6.0	2807	4	US-09-302-769-11	Sequence 1, Appli
39	35	5.9	4659	4	US-08-264-578-10	Sequence 10, Appli
40	35	5.9	20235	1	US-07-642-734C-3	Sequence 3, Appli
41	35	5.9	20235	3	US-08-439-009A-3	Sequence 13, Appli
42	34.8	5.9	1654	1	US-07-914-281-13	Sequence 13, Appli
43	34.8	5.9	1654	1	US-08-393-246-13	Sequence 13, Appli
44	34.8	5.9	1654	1	US-08-525-058A-13	Sequence 13, Appli
45	34.8	5.9	1654	2	US-08-696-731-13	Sequence 13, Appli

ALIGNMENTS

RESULT 1
US-08-681-129-1
: Sequence 1, Application US/08681129
: Patent No. 5738854
: GENERAL INFORMATION:
: APPLICANT: Mettenleier, Thomas Cristoph
: TITLE OF INVENTION: Pseudorabies virus vaccine
: NUMBER OF SEQUENCES: 2
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Organon Teknika Corporation
: STREET: 1330 Piccard Drive
: CITY: Rockville
: STATE: Maryland
: COUNTRY: U.S.A.
: ZIP: 20850
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patentin Release #1.0, Version #1.25
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/681,129
: FILING DATE:
: CLASSIFICATION: 424
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 08/244,446
: FILING DATE: 02-JUN-1994
: CLASSIFICATION: 424
: APPLICATION NUMBER: EP 92.203.079.6
: FILING DATE: 06-OCT-1992
: ATTORNEY/AGENT INFORMATION:
: NAME: Gormley, Mary E.
: REGISTRATION NUMBER: 34,409
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (301) 258-5200
: INFORMATION FOR SEQ ID NO: 1:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 1578 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: double
: TOPOLOGY: linear
: MOLECULE TYPE: DNA (genomic)
: ORIGINAL SOURCE:
: ORGANISM: Pseudorabies virus
: STRAIN: Kaplan
: US-08-681-129-1
Query Match 7.5%; Score 44.6; DB 1; Length 1578;
Best Local Similarity 46.7%; Pred. No. 0.094;
Matches 177; Conservative 0; Mismatches 199; Indels 3; Gaps 1;

RESULT 2
US-09-724-864-2
; Sequence 2; Application US/09724864
; Patent No. 6280263

Query Match	7.38;	Score 43;	DB 4;	Length 1258;
Best Local Similarity	52.58;	Pred. No. 0.21;		
Matches 94;	Conservative 0;	Mismatches 85;	Indels 0;	Gaps 0;

QY 223 CACAGGGGGAGGACACAGAGGCGCTTCAGTACAGACCAGTGGCCGGTGTGGGCGGGAG 28
Db 291 CTCGGGCGCCGCGACACAGGCGCGCATGCGCCAGCTGCCCGCGGGGGACAGGGCGCGCCAC 35
QY 283 GAGGTGTTGGAGGACAGACCCACACGCGCTCCATCTCACTCGAGATACCGTGTGAC. 34
Db 351 CGCGCGTTCCGGGCGACCCACCAACCTTCGCGAGGTGTGGCGCTTGGGCGTACAGGATTTCC 41
QY 343 ACGGATGAGGACCGCTATCCACAGAACTGGCTTGGCGAGTGCCTGCGAGAGGCTG 40
Db 411 TACGACCTGCCTCGCTTCCGAGGTACTCTCCCGAAGCTTACTGCTGTGCCGAGGCTG 46

RESULT 3
US-08-931-858E-201/c
; Sequence 201, Application US/08931858E
; Patent No. 6222022

GENERAL INFORMATION:
 APPLICANT: JOHNSON, EUGENE M
 APPLICANT: MILBRANDT, JEFFREY D
 APPLICANT: KOTZBAUER, PAUL T
 APPLICANT: LAMPE, PATRICIA A
 APPLICANT: KLEIN, ROBERT
 APPLICANT: DESAUVAGE, FRED
 TITLE OF INVENTION: PERSEPHIN AND RELATED GROWTH FACTOR
 NUMBER OF SEQUENCES: 239
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: HOWELL & HAFERKAMP, L.C.
 STREET: 7733 FORSYTH BOULEVARD, SUITE 1400
 CITY: ST. LOUIS
 STATE: MO
 COUNTRY: USA
 ZIP: 63105
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/931,858E
 FILING DATE:
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: HOLLAND, DONALD R.
 REGISTRATION NUMBER: 35,197
 REFERENCE/DOCKET NUMBER: 971486
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 314-727-5188
 TELEFAX: 314-727-6092
 INFORMATION FOR SEQ ID NO: 201:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 291 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: CDNA
 US-08-931-858E-201

Query Match	7.28	Score 42.4	DB 4	Length 291
Best Local Similarity	55.4%	Pred. 0.23		
Matches	82	Conservative	0	Mismatches 66; Indels 0; Gaps 0
OY	361	CCACAGAGCTGGCCCTTGCCCGCCAGTGCCTGTACAGAGCTGTATGCATCCAGGACGGCC	420	
Db	284	CCACAGCCGCAAGGACAGCCGCCGCCAGCTGTGGGACCCGCTGCCAGCGGTGGCGGTATTCG	225	
OY	421	CGCGAGACAGCTGGCGCTCAACTCCGTGGGGCTGTCTCCAGAGCCCTGTGCTGGCGCCG	480	
Db	224	AGGAAGGGCCAGCTCGTGTAGAGTGGGGCCCGGACAGGCGCCGCCGCGGGCTCGGGCC	165	
OY	481	CGGCGCTGTCGCCCGGAGCGGCGCGGGGC	508	
Db	164	TGGCCCTTCAGCCGGGCGCAGCGCCAGGC	137	

RESULT 4
US-08-931-858E-202
Sequence 202, Application US/08931858E
Patent No. 6222022
GENERAL INFORMATION:
APPLICANT: JOHNSON, EUGENE M
APPLICANT: MILBRAND, JEFFREY D
APPLICANT: KOTZBAUER, PAUL T
APPLICANT: LAMPE, PATRICIA A
APPLICANT: KLEIN, ROBERT
APPLICANT: DESAUVAGE, FRED
TITLE OF INVENTION: PERSEPHIN AND RELATED GROWTH FACTOR
NUMBER OF SEQUENCES: 239
CORRESPONDENCE ADDRESS:
ADDRESSEE: HOWELL & HAEFKAMP, L.C.

```

Query Match          7.2%: Score 42.4; DB 4; Length 291;
Best Local Similarity 55.4%: Pred. No. 0.23;
Matches 82; Conservative 0; Mismatches 66; Indels 0; Gaps 0

QY 361 CCACAGAGCTGGCCCTTCCGCGAGTGCCTGTGCACAGAGCTGTATGATGATCCACGAGCGGC 420
      ||||| ||| ||| ||||| ||| ||| ||| ||| |||
Db 8 CCACAGCGCGAGCGCGCGCGAGAGCTGGGCGACCGCTGCCAGAGGGTGGGGGTATCG 67
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

QY 421 CGCAGAGACGTGGCGCTCACTCCCTGTGGGGCTGCTCCAGAGCTGTGTGTGTCGCGCCG 480
      | ||| | ||| | ||| | ||| | ||| | ||| | ||| | ||| |
Db 68 AGAAGGCGCAGCTGCTGTAGCGATGGGCGGCGACAGAGCGCCGCGGTGGGCTGGGCC 127
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

QY 481 CGGCCCTGCTCCCGCGAGCGCTCGGGCG 508
      ||||| ||| ||| ||| ||| |||
Db 128 TGGCCCTGCAGCGCGGCCACGCCACAGGC 155
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

RESULT 5
US-08-931-858E-205/c
: Sequence 205, Application US/08931858E
: Patent No. 6322022

GENERAL INFORMATION:
: APPLICANT: JOHNSON, EUGENE M
: APPLICANT: MILBRANDT, JEFFREY D
: APPLICANT: KOTZBAUER, PAUL T
: APPLICANT: LAMPE, PATRICIA A
: APPLICANT: KLEIN, ROBERT
: APPLICANT: DESAUVAGE, FRED
: TITLE OF INVENTION: PERSEPHIN AND RELATED GROWTH FACTOR
: NUMBER OF SEQUENCES: 239
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: HOWELL & HAFERKAMP, L.C.
: STREET: 7733 FORSYTH BOULEVARD, SUITE 1400
: CITY: ST. LOUIS
: STATE: MO
: COUNTRY: USA
: ZIP: 63105

COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: PatentIn Release #1.0, Version #1.30
: CURRENT APPLICATION DATA:

```

Query Match	7.2%	Score 42.4	DB 4	Length 471
Best Local Similarity	55.4%	Pred. No. 0.25		
Matches	82	Conservative	0	Mismatches 65; Indels 0; Gaps 0
QY	361	CCACAGAGCTGGGCTTGC	CGCGAGTGCCTGTGCACAGGCTTATGATGACAGGAGGGC	420
Db	464	CCACAGCGCGAGCGACGGCCGCGAGAGCTGGGACACCCGCTGGCAGCGTGGGGGTCATG	405	
QY	421	CGCGAGACAGCTGCGCCCTCAACTCCGTGGCGGCTGTGCACAGAGCTGTGGTGC	480	
Db	404	AGGAAGGCCAATGCGGTATAGAGATGGGCGCGGACAGAGGCGCCGCGGTGGCTCGGCC	345	
QY	481	CGGCTGTGCTCCCGGAGCGGCTGGGGC	508	
Db	344	TGGCCCTTCACGCGGGCCAGCGCACGGC	317	

RESULT 6
 US-08-931-858E-206
 Sequence 206, Application US/08931858E
 Patent No. 622022
 GENERAL INFORMATION:
 APPLICANT: JOHNSON, EUGENE M
 APPLICANT: MILBRANDT, JEFFREY D
 APPLICANT: KOTZBAUER, PAUL T
 APPLICANT: LAMPE, PATRICIA A
 APPLICANT: KLEIN, ROBERT
 APPLICANT: DESAUVAGE, FRED
 TITLE OF INVENTION: PERSEPHIN AND RELATED GROWTH FACTOR
 NUMBER OF SEQUENCES: 239
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: HOWELL & HAFERRAMP, L.C.
 STREET: 7733 FORSYTH BOULEVARD, SUITE 1400
 CITY: ST. LOUIS
 STATE: MO
 COUNTRY: USA
 ZIP: 63105
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/931,858E
 FILING DATE:
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: HOLLAND, DONALD R.
 REGISTRATION NUMBER: 35,197
 REFERENCE/DOCKET NUMBER: 971486
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 314-727-5188
 TELEFAX: 314-727-6092
 INFORMATION FOR SEQ ID NO: 206:

0

[illegible]

506 CCGGACGGC1CGGGG

Db 128 TGGCCCTGCAGCCGGCCAGCCGAGGC 155

RESULT 9

US-08-931-858E-203/C

Sequence 203, Application US/08931858E

Patent No. 6222022

GENERAL INFORMATION:

APPLICANT: JOHNSON, EUGENE M

APPLICANT: MILBRANDT, JEFFREY D

APPLICANT: KOTZBAUER, PAUL T

APPLICANT: LAMPE, PATRICIA A

APPLICANT: KLEIN, ROBERT

APPLICANT: DESAUVAGE, FRED

TITLE OF INVENTION: PERSEPHIN AND RELATED GROWTH FACTOR

NUMBER OF SEQUENCES: 239

CORRESPONDENCE ADDRESS:

ADDRESSEE: HOWELL & HAFERKAMP, L.C.

STREET: 7733 FORSYTH BOULEVARD, SUITE 1400

CITY: ST. LOUIS

STATE: MO

COUNTRY: USA

ZIP: 63105

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/931,858E

FILING DATE:

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: HOLLAND, DONALD R.

REGISTRATION NUMBER: 35,197

REFERENCE/DOCKET NUMBER: 971486

TELECOMMUNICATION INFORMATION:

TELEPHONE: 314-727-5188

TELEFAX: 314-727-6092

INFORMATION FOR SEQ ID NO: 203:

SEQUENCE CHARACTERISTICS:

LENGTH: 471 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: cDNA

US-08-931-858E-203

Query Match

Best Local Similarity 54.7%; Score 40.8; DB 4; Length 471;

Matches 81; Conservative 0; Mismatches 67; Indels 0; Gaps 0;

Db 361 CCACAGAGCTGCGCTTGGCCGAGTGGCTGTGAGAGCTGTATGATGACGAGCGGC 420

Db 464 CCACAGCGCCGAGCAGCGCCGAGAGCTGGGGAGCGCGTGCAGCGCGGTATCG 405

Db 421 CGGAGAGACCTGGCGTCACTCCGTCGCGCTCTCCAGAGCCTGCTGCTGCGCCG 480

Db 404 AGGAGGCGCAGTGGTGTGCGAGTGGCGCGGAGGAGGCGCCACCGTGGGCTGGCC 345

Db 481 CGGCGCTGCTCCGCGAGCGCTGGGCG 508

Db 344 TGGCCCTGCAGCCGGCCAGCGCAGGC 317

RESULT 10

US-08-931-858E-204

Sequence 204, Application US/08931858E

Patent No. 6222022

GENERAL INFORMATION:

APPLICANT: JOHNSON, EUGENE M

APPLICANT: MILBRANDT, JEFFREY D

APPLICANT: KOTZBAUER, PAUL T

APPLICANT: LAMPE, PATRICIA A

APPLICANT: KLEIN, ROBERT

APPLICANT: DESAUVAGE, FRED

TITLE OF INVENTION: PERSEPHIN AND RELATED GROWTH FACTOR

NUMBER OF SEQUENCES: 239

CORRESPONDENCE ADDRESS:

ADDRESSEE: HOWELL & HAFERKAMP, L.C.

STREET: 7733 FORSYTH BOULEVARD, SUITE 1400

CITY: ST. LOUIS

STATE: MO

COUNTRY: USA

ZIP: 63105

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/931,858E

FILING DATE:

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: HOLLAND, DONALD R.

REGISTRATION NUMBER: 35,197

REFERENCE/DOCKET NUMBER: 971486

TELECOMMUNICATION INFORMATION:

TELEPHONE: 314-727-5188

TELEFAX: 314-727-6092

INFORMATION FOR SEQ ID NO: 204:

SEQUENCE CHARACTERISTICS:

LENGTH: 471 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: cDNA

US-08-931-858E-204

Query Match

Best Local Similarity 54.7%; Score 40.8; DB 4; Length 471;

Matches 81; Conservative 0; Mismatches 67; Indels 0; Gaps 0;

Db 361 CCACAGAGCTGCGCTTGGCCGAGTGGCTGTGAGAGCTGTATGATGACGAGCGGC 420

Db 8 CCACAGCGCCGAGCAGCGCCGAGAGCTGGGGAGCGCGTGCAGCGCGGTATCG 67

Db 421 CGGAGAGACCTGGCGTCACTCCGTCGCGCTCTCCAGAGCCTGCTGCTGCGCCG 480

Db 404 AGGAGGCGCAGTGGTGTGCGAGTGGCGCGGAGGAGGCGCCACCGTGGGCTGGCC 127

Db 481 CGGCGCTGCTCCGCGAGCGCTGGGCG 508

Db 128 TGGCCCTGCAGCCGGCCAGCGCAGGC 155

RESULT 11

US-08-348-518C-3/C

Sequence 3, Application US/08348518C

Patent No. 6022740

GENERAL INFORMATION:

APPLICANT: SUDOL, MARIUS

APPLICANT: PEER, BORK

APPLICANT: HENRY, CHEN

TITLE OF INVENTION: A SH2 DOMAIN ASSOCIATED PROTEIN, A

TITLE OF INVENTION: SIGNALING DOMAIN THEREIN, NUCLEIC ACIDS ENCODING THE

TITLE OF INVENTION: PROTEIN AND THE DOMAIN, AND DIAGNOSTIC AND THERAPEUTIC USES

NUMBER OF SEQUENCES: 26

CORRESPONDENCE ADDRESS:

ADDRESSEE: Klauber & Jackson

STREET: 411 Hackensack Avenue

CITY: Hackensack

STATE: New Jersey

COUNTRY: USA

RESULT 12
 US-08-476-509B-3/c
 Sequence 3, Application US/08476509B
 Patent No. 6034212
 GENERAL INFORMATION:
 APPLICANT: SUDOL, MARIUS
 APPLICANT: PEER, BORK
 APPLICANT: HENRY, CHEN
 TITLE OF INVENTION: A SH2 DOMAIN ASSOCIATED PROTEIN, A
 TITLE OF INVENTION: SIGNALING DOMAIN THEREIN, NUCLEIC ACIDS ENCODING THE
 TITLE OF INVENTION: PROTEIN AND THE DOMAIN, AND DIAGNOSTIC AND THERAPEUTIC USES
 TITLE OF INVENTION: THEREOF
 NUMBER OF SEQUENCES: 50
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Klauber & Jackson
 STREET: 411 Hackensack Avenue

RESULT 13
 US-08-931-858E-222/c
 ; Sequence 222, Application US/08931858E
 ; Patent No. 6222022
 ;
 ; GENERAL INFORMATION:
 ;
 ; APPLICANT: JOHNSON, EUGENE M.
 ;
 ; APPLICANT: MILLBRANDT, JEFFREY D
 ;
 ; APPLICANT: KOTZBAUER, PAUL T
 ;
 ; APPLICANT: LAMPE, PATRICIA A
 ;
 ; APPLICANT: KLEIN, ROBERT
 ;
 ; APPLICANT: DESAUVAGE, FRED
 ;
 ; TITLE OF INVENTION: PERSEPHIN AND RELATED GROWTH FACTOR
 ;
 ; NUMBER OF SEQUENCES: 239


```

NUMBER OF SEQ ID NOS: 22
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 2
LENGTH: 71989
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Synthetic construct
US-09-443-501A-2

Query Match
Best Local Similarity 6.5%; Score 38.6; DB 4; length 71989;
Matches 83; Conservative 0; Mismatches 74; Indels 0; Gaps 0;

Db 29116 GCGACCTTCACCCCGCTCACCGGCTCGACAGCAGGGGCCGCTGATGCACCACGGA 29057
QY 356 GCATTCCACAGACTGGCCCTTCCGCCGAGTGCTGTGCAGAGGCTGTATCATGCACGGA 415
    |||||
Db 29056 CGCACGGGGCGATCCCTTAGCGCCCTGCACACCAAGAAAGCCCTCGTGCCACACAGCTCC 28997
QY 416 CCGGCCCGAGACAGACTACGCTCAACCTCCGTCGGGCTGCTCCAGAGCCGTGTCGCTCC 475
    |||||
Db 28996 GCCGCCGCCGAGACTTCCTCGTGGGCTCCAGGTTCCC 28960
QY 476 GCCCGCGGCGCTCTCCCGCGACGSGCTGGGGGCTCCC 512
    |||||

```

```

APPLICANT: Jessell, Thomas M.
APPLICANT: Tanabe, Yasuo
APPLICANT: William, Christopher
FILE OF INVENTION: Gene Encoding MNR2 and Uses Thereof
FILE REFERENCE: 57477/jpw/m1
CURRENT APPLICATION NUMBER: US/09/162,524
CURRENT FILING DATE: 1998-09-29
NUMBER OF SEQ ID NOS: 4
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 4
LENGTH: 1514
TYPE: DNA
ORGANISM: chick embryo
US-09-162-524-4

Query Match      6.5%; Score 38.2; DB 4; Length 1514;
Best Local Similarity 52.1%; Pred. NO. 2.6;
Matches 85; Conservative 0; Mismatches 78; Indels 0; Gaps 0

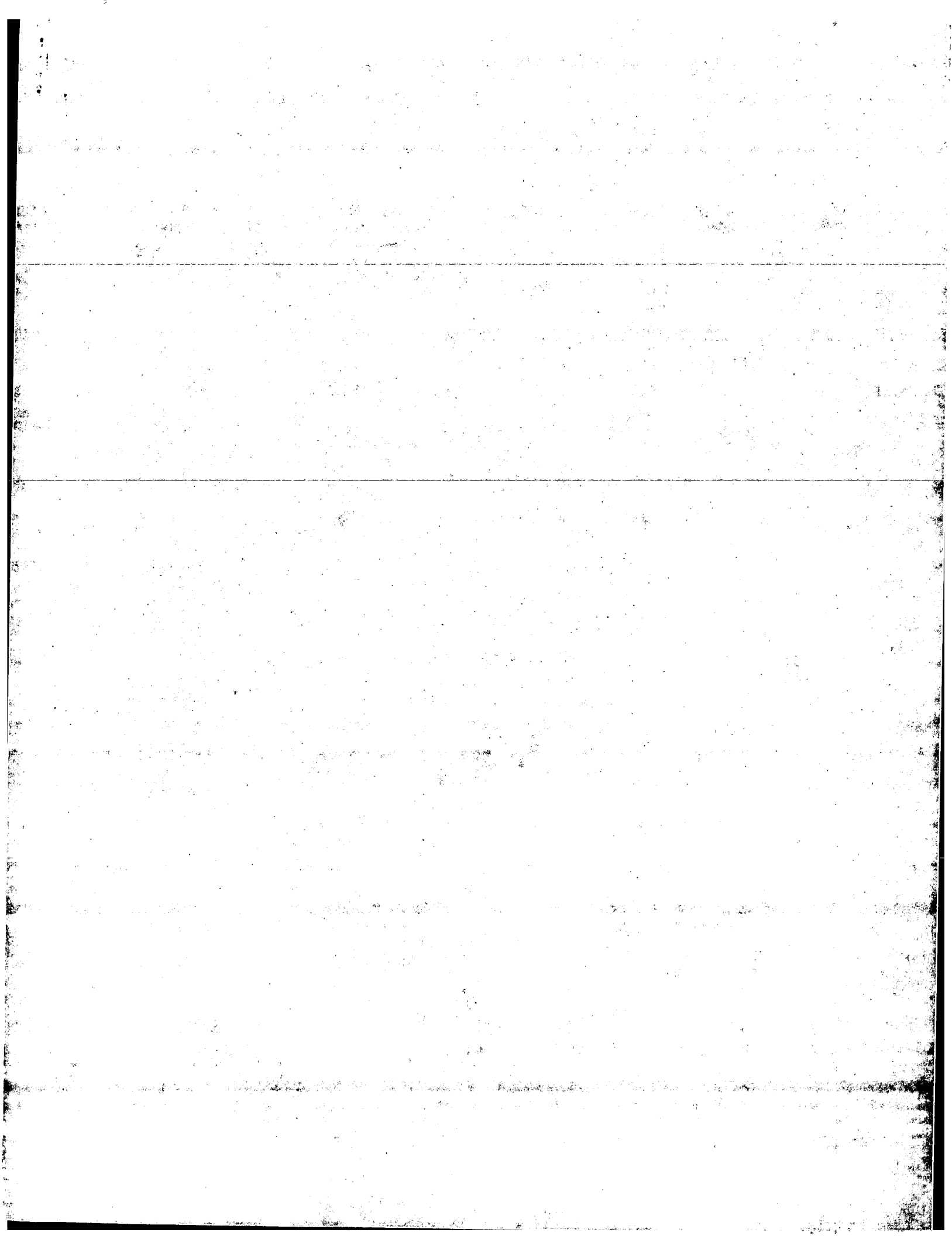
QY 196 CTGCGTTCACCGCTTGAGAGCAGACAAAGCCACAGGGGAGGACGACGAGAGGCCCTTCAGCTACG 255
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 865 CTGCTGCCCCGGCCCCCGGAAAGCGCGCGGAGGCGCGCTGAGGAGCTGCTCCGACAGCCGAG 924

QY 256 ACCCAGTCCCGCGGTCTCTCGGCCGAGAGAGGTGTTGAGAGCAGACACCACCCAGCGCTCC 315
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 925 CCCGAGGACAGAGGAGAGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 984
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

QY 316 ATCTCACCCCTGGAGATACCGTGTGTGACACACGATGAGACCGCT 358
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 985 CCCATCACACTCTCCGACTGCTCCGAGGCGGAGCAGAGAGACT 1027

Search completed: January 26, 2003, 19:18:16
Job time : 123 secs

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Db 121 GAATGCCCCCTGGCCAGAGCCCCCCACACCTGCTGCTGAGTGTCCAAAGTGGGGCAG 180
Qy 181 GCTTGGCTGTAGCCCTGGGTGTCCAGCTGGAGGACGAAAGCCACAGGGGAGGACAGAG 240
Db 181 GCTTGGCTGTAGCCCTGGGTGTCCAGCTGGAGGACGAAAGCCACAGGGGAGGACAGAG 240
Qy 241 AGGCCCCCTAGCTACGAGCCAGTGTCCGGGTGCTGCGCCGAGAGAGTGTGTGAGGACAG 300
Db 241 AGGCCCCCTAGCTACGAGCCAGTGTCCGGGTGCTGCGCCGAGAGAGTGTGTGAGGACAG 300
Qy 301 ACCCAGAGGCTGCTTCCAGTGTCCAGTGTCCAGTGTCCAGTGTCCAGTGTCCAGTGT 360
Db 301 ACCCAGAGGCTGCTTCCAGTGTCCAGTGTCCAGTGTCCAGTGTCCAGTGTCCAGTGT 360
Qy 361 CCACAGAGGCTGCTTCCAGTGTCCAGTGTCCAGTGTCCAGTGTCCAGTGTCCAGTGT 420
Db 361 CCACAGAGGCTGCTTCCAGTGTCCAGTGTCCAGTGTCCAGTGTCCAGTGTCCAGTGT 420
Qy 421 CCGGAGAGGCTGCTTCCAGTGTCCAGTGTCCAGTGTCCAGTGTCCAGTGTCCAGTGT 480
Db 421 CCGGAGAGGCTGCTTCCAGTGTCCAGTGTCCAGTGTCCAGTGTCCAGTGTCCAGTGT 480
Qy 481 CCGGAGAGGCTGCTTCCAGTGTCCAGTGTCCAGTGTCCAGTGTCCAGTGTCCAGTGT 540
Db 481 CCGGAGAGGCTGCTTCCAGTGTCCAGTGTCCAGTGTCCAGTGTCCAGTGTCCAGTGT 540
Qy 541 GAGTTCATCCACGCTCCCGTGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 591
Db 541 GAGTTCATCCACGCTCCCGTGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 591

RESULT 2

US-09-854-208-17
Sequence 17, Application US/09854208

Patent No. US20020106743A1
GENERAL INFORMATION:

APPLICANT: Chen, Jian
APPLICANT: Filvaroff, Ellen
APPLICANT: Goddard, Audrey
APPLICANT: Gurney, Austin
APPLICANT: Li, Hanzhong
APPLICANT: Wood, William I.
TITLE OF INVENTION: IL-17 HOMOLOGOUS POLYPEPTIDES AND THERAPEUTIC USES
TITLE OF INVENTION: THEROF
FILE REFERENCE: P1381-R1
CURRENT APPLICATION NUMBER: US/09/854,208
CURRENT FILING DATE: 2001-05-10
PRIOR APPLICATION NUMBER: US/09/311,832
PRIOR FILING DATE: 1999-05-14
PRIOR APPLICATION NUMBER: US 60/085,579
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: US 60/113,621
PRIOR FILING DATE: 1998-12-23
NUMBER OF SEQ ID NOS: 26
SEQ ID NO 17
LENGTH: 594
TYPE: DNA
ORGANISM: Homo sapiens
US-09-854-208-17

Query Match 100.0%; Score 591; DB 10; Length 594;
Best Local Similarity 100.0%; Pred. No. 3,1e-124;
Matches 591; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATGAGCTCTCTCCCGGCTCTCTTCTGACCTGGTGCACACATGCTGGCCACCAT 60
Db 1 ATGAGCTCTCTCCCGGCTCTCTTCTGACCTGGTGCACACATGCTGGCCACCAT 60
Qy 61 GACCCCTCTCAGGGGACCCGACAGTACAGGTTACCCACACATGCTACTGGCTGAG 120
Db 61 GACCCCTCTCAGGGGACCCGACAGTACAGGTTACCCACACATGCTACTGGCTGAG 120
Qy 121 GAATGCCCCCTGGCCAGAGCCCCCCACACCTGCTGCTGAGGTGCGCAAGTGGGGGAG 180

Db 121 GAATGCCCCCTGGCCAGAGCCCCCCACACCTGCTGCTGAGTGTCCAAAGTGGGGCAG 180
Qy 181 GCTTGGCTGTAGCCCTGGGTGTCCAGCTGGAGGACGAAAGCCACAGGGGAGGACAGAG 240
Db 181 GCTTGGCTGTAGCCCTGGGTGTCCAGCTGGAGGACGAAAGCCACAGGGGAGGACAGAG 240
Qy 241 AGGCCCCCTAGCTACGAGCCAGTGTCCGGGTGCTGCGCCGAGAGAGTGTGTGAGGACAG 300
Db 241 AGGCCCCCTAGCTACGAGCCAGTGTCCGGGTGCTGCGCCGAGAGAGTGTGTGAGGACAG 300
Qy 301 ACCCAGAGGCTGCTTCCAGTGTCCAGTGTCCAGTGTCCAGTGTCCAGTGTCCAGTGT 360
Db 301 ACCCAGAGGCTGCTTCCAGTGTCCAGTGTCCAGTGTCCAGTGTCCAGTGTCCAGTGT 360
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Db 361 CCACAGAGGCTGCTTCCAGTGTCCAGTGTCCAGTGTCCAGTGTCCAGTGTCCAGTGT 420
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Qy 481 CCGGAGAGGCTGCTTCCAGTGTCCAGTGTCCAGTGTCCAGTGTCCAGTGTCCAGTGT 540
Db 481 CCGGAGAGGCTGCTTCCAGTGTCCAGTGTCCAGTGTCCAGTGTCCAGTGTCCAGTGT 540
Qy 541 GAGTTCATCCACGCTCCCGTGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 591
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RESULT 3

US-09-874-503-3
Sequence 3, Application US/09874503

Patent No. US20020177188A1
GENERAL INFORMATION:

APPLICANT: Chen, Jian
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Li, Hanzhong
APPLICANT: Hillan, Kenneth J.
APPLICANT: Hymowitz, Sarah G.
APPLICANT: Tumas, Daniel
APPLICANT: Starovassnik, Melissa A.
APPLICANT: Vanlookeren, Menno
APPLICANT: Vandlen, Richard
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Yansura, Daniel
TITLE OF INVENTION: IL-17 HOMOLOGOUS POLYPEPTIDES AND THERAPEUTIC USES THEREOF
FILE REFERENCE: P1381R1CIP3(US)
CURRENT APPLICATION NUMBER: US/09/874,503
CURRENT FILING DATE: 2001-06-05
PRIOR APPLICATION NUMBER: US 60/253,646
PRIOR FILING DATE: 2000-11-28
PRIOR APPLICATION NUMBER: US 60/244,072
PRIOR FILING DATE: 2000-10-26
PRIOR APPLICATION NUMBER: US 60/242,837
PRIOR FILING DATE: 2000-10-24
PRIOR APPLICATION NUMBER: US 60/175,481
PRIOR FILING DATE: 2000-01-11
PRIOR APPLICATION NUMBER: US 60/191,007
PRIOR FILING DATE: 2000-03-21
PRIOR APPLICATION NUMBER: US 60/213,807
PRIOR FILING DATE: 2000-06-22
PRIOR APPLICATION NUMBER: US 60/172,096
PRIOR FILING DATE: 1999-12-23

PRIOR APPLICATION NUMBER: US 60/138,387
PRIOR FILING DATE: 1999-06-09
PRIOR APPLICATION NUMBER: US 60/134,287
PRIOR FILING DATE: 1999-05-14
PRIOR APPLICATION NUMBER: US 60/131,022
PRIOR FILING DATE: 1999-04-26
PRIOR APPLICATION NUMBER: US 60/130,232
PRIOR FILING DATE: 1999-04-21
PRIOR APPLICATION NUMBER: US 60/113,621
PRIOR FILING DATE: 1998-12-23
PRIOR APPLICATION NUMBER: US 60/085,579
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: US 09/854,208
PRIOR FILING DATE: 2001-05-10
PRIOR APPLICATION NUMBER: US 09/854,280
PRIOR FILING DATE: 2001-05-20
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PRIOR FILING DATE: 2001-03-22
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PRIOR FILING DATE: 2000-12-20
PRIOR APPLICATION NUMBER: US 09/644,848
PRIOR FILING DATE: 2000-08-22
PRIOR APPLICATION NUMBER: US 09/380,142
PRIOR FILING DATE: 1999-08-25
PRIOR APPLICATION NUMBER: US 09/380,138
PRIOR FILING DATE: 1999-08-25
PRIOR APPLICATION NUMBER: US 09/311,832
PRIOR FILING DATE: 1999-05-14
PRIOR APPLICATION NUMBER: US PCT/US01/06520
PRIOR FILING DATE: 2001-02-28
PRIOR APPLICATION NUMBER: US PCT/US00/34956
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PRIOR FILING DATE: 2000-11-10
PRIOR APPLICATION NUMBER: US PCT/US00/23328
PRIOR FILING DATE: 2000-08-24
PRIOR APPLICATION NUMBER: US PCT/US00/15264
PRIOR FILING DATE: 2000-06-02
PRIOR APPLICATION NUMBER: US PCT/US00/07532
PRIOR FILING DATE: 2000-03-21
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PRIOR FILING DATE: 2000-03-02
PRIOR APPLICATION NUMBER: US PCT/US00/05601
PRIOR FILING DATE: 2000-03-01
PRIOR APPLICATION NUMBER: US PCT/US00/04341
PRIOR FILING DATE: 2000-02-18
PRIOR APPLICATION NUMBER: US PCT/US99/31274
PRIOR FILING DATE: 1999-12-30
PRIOR APPLICATION NUMBER: US PCT/US99/10733
PRIOR FILING DATE: 1999-05-14
PRIOR APPLICATION NUMBER: US PCT/US99/05028
PRIOR FILING DATE: 1999-03-08
NUMBER OF SEQ ID NOS: 39
SEQ ID NO 3
LENGTH: 1047
TYPE: DNA
ORGANISM: Homo Sapien
US-09-874-503-3

Query Match 100.0%; Score 591; DB 9; Length 1047;
Best Local Similarity 100.0%; Pred. No. 3.3e-124; Indels 0; Gaps 0;
Matches 591; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATGAGGCTCTCCCGGCTGCTGTTCTGACCTGCTGCACACATGCTGGCCACCAT 60
DB 50 ATGAGGCTCTCCCGGCTGCTGTTCTGACCTGCTGCACACATGCTGGCCACCAT 109
QY 61 GAGCCCTCTCCGAGGGGACCCCAAGTACAGGTACCCACACACTGCTGAGGCTGAG 120
DB 110 GAGCCCTCTCCGAGGGGACCCCAAGTACAGGTACCCACACACTGCTGAGGCTGAG 169

QY 121 GAATGCCCCCTCGGCGAGGCCCCCAACACCTGCTGAGGTGCAAGTGGGGCAG 180
DB 170 GAATGCCCCCTCGGCGAGGCCCCCAACACCTGCTGAGGTGCAAGTGGGGCAG 229
QY 181 GCTTGGCTGTAGCCCTGTGTCTCAGCCTGAGGACCAACAGGGGAGGACAG 240
DB 230 GCTTGGCTGTAGCCCTGTGTCTCAGCCTGAGGACCAACAGGGGAGGACAG 289
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DB 290 AGGCCCCCTACAGACCCAGTGGCCGCTGCGGCGGAGGAGGCTGGAGGACAG 349
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DB 350 ACCCAGGAGCTCATCTACCTCGAGATACCGTGTGACAGAGTACAGACCGCTAT 409
QY 361 CCACAGAGCTGCGCTGCGGAGTGGCTGTGACAGAGCTGTATGATGACAGGAGG 420
DB 410 CCACAGAGCTGCGCTGCGGAGTGGCTGTGACAGAGCTGTATGATGACAGGAGG 469
QY 421 CGGAGAGACTGCGCTCACTCCGTGCGGCTGTGACAGAGCTGTGTGCGGCGG 480
DB 470 CGGAGAGACTGCGCTCACTCCGTGCGGCTGTGACAGAGCTGTGTGCGGCGG 529
QY 481 CGGCGCTGCTCGCGAGGCTCGGGGCTCCCAACACCTGAGGCTTGGCTTCCACAC 540
DB 530 CGGCGCTGCTCGCGAGGCTCGGGGCTCCCAACACCTGAGGCTTGGCTTCCACAC 589
QY 541 GAGTTCAATCAGTCCCGTGGCTGCACCTGCTGCTGCGGCTTACAGT 591
DB 590 GAGTTCAATCAGTCCCGTGGCTGCACCTGCTGCTGCGGCTTACAGT 640

RESULT 4
US-10-000-157-3

Sequence 3, Application US/10000157
Publication No. US20020182673A1
GENERAL INFORMATION:
APPLICANT: Chen, Jian
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul L.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin
APPLICANT: Li, Hanzhong
APPLICANT: Hillan, Kenneth J.
APPLICANT: Hymowitz, Sarah
APPLICANT: Tumas, Daniel
APPLICANT: Starovarsnik, Melissa.
APPLICANT: Vanlooken, Menno
APPLICANT: Vandlen, Richard
APPLICANT: Watanabe, Colin
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William
APPLICANT: Vansura, Daniel
TITLE OF INVENTION: IL-17 HOMOLOGOUS POLYPEPTIDES AND THERAPEUTIC USES THEREOF
FILE REFERENCE: P1381R1P4(US)
CURRENT APPLICATION NUMBER: US/10/000,157
PRIOR FILING DATE: 2001-10-30
PRIOR APPLICATION NUMBER: 60/085579
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/113621
PRIOR FILING DATE: 1998-12-23
PRIOR APPLICATION NUMBER: 60/130232
PRIOR FILING DATE: 1999-04-21
PRIOR APPLICATION NUMBER: 60/131022
PRIOR FILING DATE: 1999-04-26
PRIOR APPLICATION NUMBER: 60/134287
PRIOR FILING DATE: 1999-05-14
PRIOR APPLICATION NUMBER: 60/138387
PRIOR FILING DATE: 1999-06-09
PRIOR APPLICATION NUMBER: 60/172096

PRIOR FILING DATE: 1999-12-23
PRIOR APPLICATION NUMBER: 60/175481
PRIOR FILING DATE: 2000-01-11
PRIOR APPLICATION NUMBER: 60/191007
PRIOR FILING DATE: 2000-03-21
PRIOR APPLICATION NUMBER: 60/21807
PRIOR FILING DATE: 2000-06-22
PRIOR APPLICATION NUMBER: 60/242837
PRIOR FILING DATE: 2000-10-24
PRIOR APPLICATION NUMBER: 60/244072
PRIOR FILING DATE: 2000-10-26
PRIOR APPLICATION NUMBER: 60/253646
PRIOR FILING DATE: 2000-11-28
PRIOR APPLICATION NUMBER: 09/311832
PRIOR FILING DATE: 1999-05-14
PRIOR APPLICATION NUMBER: 09/380138
PRIOR FILING DATE: 1999-08-25
PRIOR APPLICATION NUMBER: 09/380142
PRIOR FILING DATE: 1999-08-25
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PRIOR FILING DATE: 2000-08-22
PRIOR APPLICATION NUMBER: 09/747259
PRIOR FILING DATE: 2000-12-20
PRIOR APPLICATION NUMBER: 09/816744
PRIOR FILING DATE: 2001-03-22
PRIOR APPLICATION NUMBER: 09/854208
PRIOR FILING DATE: 2001-05-10
PRIOR APPLICATION NUMBER: 09/854280
PRIOR FILING DATE: 2001-05-10
PRIOR APPLICATION NUMBER: 09/874503
PRIOR FILING DATE: 2001-06-05
PRIOR APPLICATION NUMBER: 09/908827
PRIOR FILING DATE: 2001-07-18
PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 09/929404
PRIOR FILING DATE: 2001-08-13
PRIOR APPLICATION NUMBER: 09/931836
PRIOR FILING DATE: 2001-08-16
PRIOR APPLICATION NUMBER: PCT/US99/05028
PRIOR FILING DATE: 1999-03-08
PRIOR APPLICATION NUMBER: PCT/US99/10733
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PRIOR APPLICATION NUMBER: PCT/US99/31274
PRIOR FILING DATE: 1999-12-30
PRIOR APPLICATION NUMBER: PCT/US00/04341
PRIOR FILING DATE: 2000-02-18
PRIOR APPLICATION NUMBER: PCT/US00/05601
PRIOR FILING DATE: 2001-03-01
PRIOR APPLICATION NUMBER: PCT/US00/05841
PRIOR FILING DATE: 2000-03-02
PRIOR APPLICATION NUMBER: PCT/US00/07532
PRIOR FILING DATE: 2000-03-21
PRIOR APPLICATION NUMBER: PCT/US00/15264
PRIOR FILING DATE: 2000-06-02
PRIOR APPLICATION NUMBER: PCT/US00/23328
PRIOR FILING DATE: 2000-08-24
PRIOR APPLICATION NUMBER: PCT/US00/30873
PRIOR FILING DATE: 2000-11-10
PRIOR APPLICATION NUMBER: PCT/US00/32678
PRIOR FILING DATE: 2000-12-01
PRIOR APPLICATION NUMBER: PCT/US00/34956
PRIOR FILING DATE: 2000-12-20
PRIOR APPLICATION NUMBER: PCT/US01/06520
PRIOR FILING DATE: 2001-02-28
PRIOR APPLICATION NUMBER: PCT/US01/17800
PRIOR FILING DATE: 2001-06-01
PRIOR APPLICATION NUMBER: PCT/US01/19692
PRIOR FILING DATE: 2001-06-20
PRIOR APPLICATION NUMBER: PCT/US01/21066
PRIOR FILING DATE: 2001-06-29
PRIOR APPLICATION NUMBER: PCT/US01/21735
PRIOR FILING DATE: 2001-07-09

NUMBER OF SEQ ID NOS: 39
SEQ ID NO 3
LENGTH: 1047
TYPE: DNA
ORGANISM: Homo Sapien
US-10-000-157-3

Query Match 100.0%; Score 591; DB 9; Length 1047;
Best Local Similarity 100.0%; Pred. No. 3; 3e-124;
Matches 591; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATAGAGCTCTCCCGGCTCTCTGTTTGTACCTGCTGCACATATGCTGGCCACAT 60
DB 50 ATAGAGCTCTCCCGGCTCTCTGTTTGTACCTGCTGCACATATGCTGGCCACAT 109
QY 61 GACCCCTCCCTCAGAGGGGACCCCAAGTACAGTACAGTACAGTACAGTACAGT 120
DB 110 GACCCCTCCCTCAGAGGGGACCCCAAGTACAGTACAGTACAGTACAGTACAGT 169
QY 121 GAACCTGCTCCCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 180
DB 170 GAACCTGCTCCCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 229
QY 181 GCTTGGCTGTAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 240
DB 230 GCTTGGCTGTAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 289
QY 241 AGGCTCTCAGTACAGACCCAGTCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 300
DB 290 AGGCTCTCAGTACAGACCCAGTCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 349
QY 301 ACCACACAGCTCTCATTCTCACCCTGAGATACCTGTGTGACAGAGTATGAGAC 360
DB 350 ACCACACAGCTCTCATTCTCACCCTGAGATACCTGTGTGACAGAGTATGAGAC 409
QY 361 CCACAGAACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 420
DB 410 CCACAGAACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 469
QY 421 CGGAGACAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 480
DB 470 CGGAGACAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 529
QY 481 CGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 540
DB 530 CGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 589
QY 541 GAGTTCATTCACAGTCCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 591
DB 590 GAGTTCATTCACAGTCCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 640

RESULT 5
US-10-036-041-10
Sequence 10, Application US/10036041
Publication No. US20020192751A1
GENERAL INFORMATION:
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Pan, James
APPLICANT: Stewart, Timothy A.
APPLICANT: Watanabe, Colin K.
APPLICANT: Wood, William I.
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3030R1C8
CURRENT APPLICATION NUMBER: US/10/036, 041
PRIOR FILING DATE: 2001-12-26
PRIOR APPLICATION NUMBER: 60/085579

PRIOR FILING DATE:	1998-05-15	PRIOR APPLICATION NUMBER:	60/112514
PRIOR FILING DATE:	1998-12-15	PRIOR APPLICATION NUMBER:	60/113300
PRIOR FILING DATE:	1998-12-22	PRIOR APPLICATION NUMBER:	60/113430
PRIOR FILING DATE:	1998-12-23	PRIOR APPLICATION NUMBER:	60/113605
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PRIOR FILING DATE:	1998-12-23	PRIOR APPLICATION NUMBER:	60/125774
PRIOR FILING DATE:	1999-03-23	PRIOR APPLICATION NUMBER:	60/125778
PRIOR FILING DATE:	1999-01-12	PRIOR APPLICATION NUMBER:	60/116843
PRIOR FILING DATE:	1999-01-22	PRIOR APPLICATION NUMBER:	60/125826
PRIOR FILING DATE:	1999-03-24	PRIOR APPLICATION NUMBER:	60/127035
PRIOR FILING DATE:	1999-03-31	PRIOR APPLICATION NUMBER:	60/127706
PRIOR FILING DATE:	1999-04-05	PRIOR APPLICATION NUMBER:	60/129122
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PRIOR FILING DATE:	1999-04-27	PRIOR APPLICATION NUMBER:	60/131272
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PRIOR FILING DATE:	1999-06-08	PRIOR APPLICATION NUMBER:	60/144791
PRIOR FILING DATE:	1999-07-20	PRIOR APPLICATION NUMBER:	60/146970
PRIOR FILING DATE:	1999-08-03	PRIOR APPLICATION NUMBER:	60/162506
PRIOR FILING DATE:	1999-10-29	PRIOR APPLICATION NUMBER:	09/311832
PRIOR FILING DATE:	1999-05-14	PRIOR APPLICATION NUMBER:	09/380142
PRIOR FILING DATE:	1999-08-25	PRIOR APPLICATION NUMBER:	09/644848
PRIOR FILING DATE:	2000-08-72	PRIOR APPLICATION NUMBER:	2000-12-20
PRIOR FILING DATE:	2000-12-20	PRIOR APPLICATION NUMBER:	2001-03-22
PRIOR FILING DATE:	2001-03-22	PRIOR APPLICATION NUMBER:	2001-05-10
PRIOR FILING DATE:	2001-05-10	PRIOR APPLICATION NUMBER:	09/854280
PRIOR FILING DATE:	2001-05-10	PRIOR APPLICATION NUMBER:	09/874503
PRIOR FILING DATE:	2001-06-05	PRIOR APPLICATION NUMBER:	09/869599
PRIOR FILING DATE:	2001-06-29	PRIOR APPLICATION NUMBER:	09/908, 822
PRIOR FILING DATE:	2001-07-18		

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1 PRIOR APPLICATION NUMBER: PCT/US99/10733
2 PRIOR FILING DATE: 1999-05-14
3 PRIOR APPLICATION NUMBER: PCT/US99/28551
4 PRIOR FILING DATE: 1999-12-02
5 PRIOR APPLICATION NUMBER: PCT/US99/30720
6 PRIOR FILING DATE: 1999-12-22
7 PRIOR APPLICATION NUMBER: PCT/US00/05601
8 PRIOR FILING DATE: 2000-03-01
9 PRIOR APPLICATION NUMBER: PCT/US00/05841
10 PRIOR FILING DATE: 2000-03-02
11 PRIOR APPLICATION NUMBER: PCT/US00/14042
12 PRIOR FILING DATE: 2000-05-22
13 PRIOR APPLICATION NUMBER: PCT/US00/15264
14 PRIOR FILING DATE: 2000-06-02
15 PRIOR APPLICATION NUMBER: PCT/US00/23522
16 PRIOR FILING DATE: 2000-08-23
17 PRIOR APPLICATION NUMBER: PCT/US00/23238
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19 PRIOR APPLICATION NUMBER: PCT/US00/32678
20 PRIOR FILING DATE: 2000-12-01
21 PRIOR APPLICATION NUMBER: PCT/US00/34956
22 PRIOR FILING DATE: 2000-12-20
23 PRIOR APPLICATION NUMBER: PCT/US01/06520
24 PRIOR FILING DATE: 2001-02-28
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28 PRIOR FILING DATE: 2001-06-20
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30 PRIOR FILING DATE: 2001-06-29
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32 PRIOR FILING DATE: 2001-07-09
33
34 NUMBER OF SEQ ID NOS: 80
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36 SEQ ID NO 10
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38 LENGTH: 1047
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40 TYPE: DNA
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42 ORGANISM: Homo Sapien
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; ORGANISM: Homo Sapien
US-10-036-041-10

Query Match	100.08;	Score 591;	DB 9;	Length 1047;
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Matches 591; Conservative 0; Mismatches 0; Indels 0; Gaps 0.

Qy	1	ATGAGGCTCTCCCGGGGCTCTCTTTTCTGACCTGCGGTGCACACATCTCTGGCCACCAT	60
Db	50	ATGAGGCTCTCCCGGGGCTCTCTTTTCTGACCTGCGGTGCACACATCTCTGGCCACCAT	109
Qy	61	GACCCCTCCCTCAGGGGGGACCCCCACAGTCAGCGGTACCCACACTGCTACCTGGCTGAG	120
Db	110	GACCCCTCCCTCAGGGGGGACCCCCACAGTCAGCGGTACCCACACTGCTACCTGGCTGAG	169
Qy	121	GAACCTGCCCTTCGGCGCAGGGCCCCCACAACCTGCTGGCTGAGGTGCCAAGTGGGGCAG	180
Db	170	GAACCTGCCCTTCGGCGCAGGGCCCCCACAACCTGCTGGCTGAGGTGCCAAGTGGGGCAG	229
Qy	181	GCTTTGCTGTAGGCGCTGTGTCTCAGGCTGGAGGGCACCACACCCACAGGGGGAGGCACGAG	240
Db	230	GCTTTGCTGTAGGCGCTGTGTCTCAGGCTGGAGGGCACCACACCCACAGGGGGAGGCACGAG	289
Qy	241	AGGCGCTCAGCTACGACCACGATGGCCGGTGTGGGGCGGAGGAGGTGTGGAGGACGAC	300
Db	290	AGGCGCTCAGCTACGACCACGATGGCCGGTGTGGGGCGGAGGAGGTGTGGAGGACGAC	349
Qy	301	ACCCACAGCGCTCCATCTCACCTCTGGAGATACCGTGTGACACACGATGAGACCCGCTAT	360
Db	350	ACCCACAGCGCTCCATCTCACCTCTGGAGATACCGTGTGAGACACGATGAGAGACCGCTAT	409
Qy	361	CCACAGAACTGGCCCTTCGGCGGAGTGCCTGTGTCAGAGGGCTGTATCGATGCACGGAGGGC	420
Db	410	CCACAGAACTGGCCCTTCGGCGGAGTGCCTGTGTCAGAGGGCTGTATCGATGCACGGAGGGC	469
Qy	421	CGCGAGACGCTGGCGCTCACTCCGTGGGCTGCTCCAGAGACCTGTGTGTCTGCCCGC	480

TYPE: DNA

PRIOR FILLING
PRIOR ADAPTATION

PRIOR APPLICATION NUMBER: 60/112514

PRIOR APPLICATION NUMBER: 60/113300

PRIOR FILING DATE: 1998-12-22
 PRIOR APPLICATION NUMBER: 60/113430
 PRIOR FILING DATE: 1998-12-23
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 PRIOR FILING DATE: 1999-01-22
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 PRIOR APPLICATION NUMBER: 09/211832
 PRIOR FILING DATE: 1999-05-14
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 PRIOR FILING DATE: 2000-08-22
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 PRIOR FILING DATE: 2000-12-20
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 PRIOR FILING DATE: 2001-03-22
 PRIOR APPLICATION NUMBER: 09/854208
 PRIOR FILING DATE: 2001-05-10
 PRIOR APPLICATION NUMBER: 09/854280
 PRIOR FILING DATE: 2001-05-10
 PRIOR APPLICATION NUMBER: 09/874503
 PRIOR FILING DATE: 2001-06-05
 PRIOR APPLICATION NUMBER: 09/869599
 PRIOR FILING DATE: 2001-06-29
 PRIOR APPLICATION NUMBER: 09/908,827
 PRIOR FILING DATE: 2001-07-18
 PRIOR APPLICATION NUMBER: PCT/US99/10733
 PRIOR FILING DATE: 1999-05-14
 PRIOR APPLICATION NUMBER: PCT/US99/28551
 PRIOR FILING DATE: 1999-12-02

PRIOR APPLICATION NUMBER: PCT/US99/30720
 PRIOR FILING DATE: 1999-12-22
 PRIOR APPLICATION NUMBER: PCT/US00/05601
 PRIOR FILING DATE: 2000-03-01
 PRIOR APPLICATION NUMBER: PCT/US00/05841
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 PRIOR APPLICATION NUMBER: PCT/US00/15264
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 PRIOR FILING DATE: 2000-08-24
 PRIOR APPLICATION NUMBER: PCT/US00/32678
 PRIOR FILING DATE: 2000-12-01
 PRIOR APPLICATION NUMBER: PCT/US00/34956
 PRIOR FILING DATE: 2000-12-20
 PRIOR APPLICATION NUMBER: PCT/US01/06520
 PRIOR FILING DATE: 2001-02-28
 PRIOR APPLICATION NUMBER: PCT/US01/17800
 PRIOR FILING DATE: 2001-06-01
 PRIOR APPLICATION NUMBER: PCT/US01/19692
 PRIOR FILING DATE: 2001-06-20
 PRIOR APPLICATION NUMBER: PCT/US01/21066
 PRIOR FILING DATE: 2001-06-29
 PRIOR APPLICATION NUMBER: PCT/US01/21735
 PRIOR FILING DATE: 2001-07-09
 NUMBER OF SEQ ID NOS: 80
 SEQ ID NO 10
 LENGTH: 1047
 TYPE: DNA
 ORGANISM: Homo Sapien
 US-10-035-855-10

Query Match 100.0%; Score 591; DB 9; Length 1047;
 Best Local Similarity 100.0%; Pred. No. 3.3e-124;
 Matches 591; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATGAGCGCTCCCTCCGCGGCGCTCTGTTCTGACCTGCTGCACACATGCTGGCCACCAT 60
 DB 50 ATGAGCGCTCCCTCCGCGGCGCTCTGTTCTGACCTGCTGCACACATGCTGGCCACCAT 109
 QY 61 GACCCCTCCCTCAGGGGGGCAACCCCAAGTCAAGGTAACCCCAACAGTCTGCTGAG 120
 DB 110 GACCCCTCCCTCAGGGGGGCAACCCCAAGTCAAGGTAACCCCAACAGTCTGCTGAG 169
 QY 121 GAACCTGCTCCCTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 180
 DB 170 GAACCTGCTCCCTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 229
 QY 181 GCTTTCCTGCTAGACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 240
 DB 230 GCTTTCCTGCTAGACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 289
 QY 241 AGGCGCTCAGCTAGACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 300
 DB 290 AGGCGCTCAGCTAGACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 349
 QY 301 ACCCAGCGCTCAGCTAGACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 360
 DB 350 ACCCAGCGCTCAGCTAGACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 409
 QY 361 CCACAGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 420
 DB 410 CCACAGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 469
 QY 421 CCGGAGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 480
 DB 470 CCGGAGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 529
 QY 481 CGGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 540

OY 481 CGGCGCTCTCTCCGCGAGAGCTCCGAGGCTCCCGACACTGGGGGCTTGGCTTCCACACC 540
 Db 530 CGGCGCTCTCTCCGCGAGAGCTCCGAGGCTCCCGACACTGGGGGCTTGGCTTCCACACC 589
 OY 541 GAGTTCATCCACAGTCCCGCTCGGCTGCGACACTGCTGCTGCGCCCGTTACAGTG 591
 Db 590 GAGTTCATCCACAGTCCCGCTCGGCTGCGACACTGCTGCTGCGCCCGTTACAGTG 640

RESULT 12

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US-09-854-208-4
Sequence 4, Application US/09854208
Patent No. US20020106743A1
GENERAL INFORMATION:
APPLICANT: Chen, Jian
APPLICANT: Filvaroff, Ellen
APPLICANT: Goddard, Audrey
APPLICANT: Gurney, Austin
APPLICANT: Li, Hanzhong
APPLICANT: Wood, William I.
TITLE OF INVENTION: IL-17 HOMOLOGOUS POLYPEPTIDES AND THERAPEUTIC USES
TITLE OF INVENTION: IL-17 HOMOLOGOUS POLYPEPTIDES AND THERAPEUTIC USES
FILE REFERENCE: P1381-R1
CURRENT APPLICATION NUMBER: US/09/854,208
CURRENT FILING DATE: 2001-05-10
PRIOR APPLICATION NUMBER: US/09/311,832
PRIOR FILING DATE: 1999-05-14
PRIOR APPLICATION NUMBER: US 60/085,579
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: US 60/113,621
PRIOR FILING DATE: 1998-12-23
NUMBER OF SEQ ID NOS: 26
SEQ ID NO 4
LENGTH: 1047
TYPE: DNA
ORGANISM: Homo sapiens
US-09-854-208-4

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Query Match	100.0%;	Score 591;	DB 10;	Length 1047;
Best Local Similarity	100.0%;	Pred. No. 3.3e-124;		
Matches 591;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0

QY	1	ATGAGCGCTCCCGCCGCGCTCTGTTTCTTACCTGAGGCTGGACACATGCTGGCCACAT	60
Db	50	ATAGAGCTCTCCCGCGCGCTCTGTTTCTTACCTGAGGCTGGACACATGCTGGCCACAT	109
QY	61	GACCCCTCCCTCAGGGGGGCACCCCCACAGTCAAGGTACCCACACTGCTACTCGGGTGAG	120
Db	110	GACCCCTCCCTCAGGGGGGCACCCCCACAGTCAAGGTACCCACACTGCTACTCGGGTGAG	169
QY	121	GAACGTGCCCCCGGCGCAGGGCCCCCACAACCTGCTGAGGTGCCAAGTGGGGGCGAG	180
Db	170	GAACGTGCCCCCGGCGCAGGGCCCCCACAACCTGCTGAGGTGCCAAGTGGGGGCGAG	229
QY	181	GCATTGGCTTAGCCCGTGGGTGCAGGCTGAGGAGGACAGCCACAGGGGAGGACAGAG	240
Db	230	GCATTGGCTTAGCCCGTGGGTGCAGGCTGAGGAGGACAGCCACAGGGGAGGACAGAG	289
QY	241	AGGCGCTCAGCACTACGACCCAGTGCCTGGGTCTCGGCGCGGAGAGAGTGTTGGAGGAC	300
Db	290	AGGCGCTCAGCACTACGACCCAGTGCCTGGGTCTCGGCGCGGAGAGAGTGTTGGAGGAC	349
QY	301	ACCCACAGCGCTCATCTCACCTTGGAGATACCGTGTGACACAGGATGAGACCCCTAT	360
Db	350	ACCCACAGCGCTCATCTCACCTTGGAGATACCGTGTGACACAGGATGAGACCCCTAT	409
QY	361	CCACAGAGCTGGCCTTCCGCGAGTCCCTGTGTCAGAGGCTGTATCGATCAGCGAGGGCC	420
Db	410	CCACAGAGCTGGCCTTCCGCGAGTCCCTGTGTCAGAGGCTGTATCGATCAGCGAGGGCC	469
QY	421	CGGAGAGAGCTGGCTCAACTCCGTGGGCTGCTCCAAGCCTGCTGTGCTGCGCCG	480

D_b 470 CGCGAGACACGCTCGGCTCAATCCGTCGCGGCTGCTCCAGAACCCCTGCTGGTACGCCGCCG 529

O_Y 481 CGGCGCTCTCTCCGCGAGACGGCTGGGGCTCCCCACACTGAGGGCTTGGCTTCACAC 540

D_b 530 CGGCGCTCTCTCCGCGAGACGGCTCGGGGCTCCCCACACTGGGGCTTTGGCTTTCACAC 589

O_Y 541 GAGTTCAATCACGTCGCCGTCGCTGCACTGCGTGGTCCCGCTTACGTC 591

D_b 590 GAGTTCAATCACGTCGCCGTCGCTGCACTGCGTGGTCCCGCTTACGTC 640

RESULT 13

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US-10-036-342-10
Sequence 10, Application US/10036342
Patent No. US20020090681A1
GENERAL INFORMATION:
  APPLICANT: Deanoys, Luc
  APPLICANT: Eaton, Dan L.
  APPLICANT: Goddard, Audrey
  APPLICANT: Godowski, Paul J.
  APPLICANT: Gurney, Austin L.
  APPLICANT: Pan, James
  APPLICANT: Stewart, Timothy A.
  APPLICANT: Matanabe, Colin K.
  APPLICANT: Wood, William T.
  TITLE OF INVENTION: ACIDS ENCODING THE SAME
  FILE REFERENCE: P3030R1C5
  CURRENT APPLICATION NUMBER: US/10/036,342
  CURRENT FILING DATE: 2001-12-26
  PRIOR APPLICATION NUMBER: 60/085579
  PRIOR FILING DATE: 1998-05-15
  PRIOR APPLICATION NUMBER: 60/112514
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  PRIOR APPLICATION NUMBER: 60/115552
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  PRIOR APPLICATION NUMBER: 60/116843
  PRIOR FILING DATE: 1999-01-22
  PRIOR APPLICATION NUMBER: 60/125774
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  PRIOR FILING DATE: 1999-04-13
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  PRIOR FILING DATE: 1999-04-21
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  PRIOR FILING DATE: 1999-05-04

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PRIOR FILING DATE: 1999-05-04
PRIOR APPLICATION NUMBER: 60/135750
PRIOR FILING DATE: 1999-05-25
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PRIOR APPLICATION NUMBER: PCT/US01/19692
PRIOR FILING DATE: 2001-06-20
PRIOR APPLICATION NUMBER: PCT/US01/21066
PRIOR FILING DATE: 2001-06-29
PRIOR APPLICATION NUMBER: PCT/US01/21735
PRIOR FILING DATE: 2001-07-09
NUMBER OF SEQ ID NOS: 80
SEQ ID NO 10
LENGTH: 1047
TYPE: DNA
ORGANISM: Homo Sapien
US-10-036-342-10

Query Match 100.0%; Score 591; DB 12; Length 1047;
Best Local Similarity 100.0%; Pred. No. 3,3e-124;

Matches 591; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 ATGAGGCTCCCTCCCGGCTCCTGTTTCTGACCTGGTGCACATATGCTGGCCACCAT 60
DB 50 ATGAGGCTCCCTCCCGGCTCCTGTTTCTGACCTGGTGCACATATGCTGGCCACCAT 109
QY 61 GACCCCTCCCTCAGGGGGGACCCCCACAGTCAAGTACCCACATGCTACTCGGCTGAG 120
DB 110 GACCCCTCCCTCAGGGGGGACCCCCACAGTCAAGTACCCACATGCTACTCGGCTGAG 169
QY 121 GACTGCCCCCTGCGCCAGGCCCCCACCACACTGCTGCTCGAGGTGCCAAGTGGGGGACG 180
DB 170 GAATGCCCCCTGCGCCAGGCCCCCACCACACTGCTGCTCGAGGTGCCAAGTGGGGGACG 229
QY 181 GCTTGGCTGTAGCCCTGGTGTCCAGCTGAGGAGGACAGCAAGGAGGAGGAGGACAG 240
DB 230 GCTTGGCTGTAGCCCTGGTGTCCAGCTGAGGAGGACAGCAAGGAGGAGGAGGACAG 289
QY 241 AGCCCTCAGCTACGACAGCAGTGGCCGCTGCTGCGGCGGAGGAGGAGTGTGAGGCGACG 300
DB 290 AGCCCTCAGCTACGACAGCAGTGGCCGCTGCTGCGGCGGAGGAGGAGTGTGAGGCGACG 349
QY 301 ACCACACAGCGCTCCATCTCACCTGAGAGATACGTTGTGACACGATGAGGACCGCTAT 360
DB 350 ACCACACAGCGCTCCATCTCACCTGAGAGATACGTTGTGACACGATGAGGACCGCTAT 409
QY 361 CCACAGAACTGTGCTTGGCCGAGTGGCTGTGTCAGAGGCTGTATGATGACAGGAGGCG 420
DB 410 CCACAGAACTGTGCTTGGCCGAGTGGCTGTGTCAGAGGCTGTATGATGACAGGAGGCG 469
QY 421 CGCGAGACAGTGGCTCACTCACTGCGGCTGCTGCGGCTGCTGCGAGGCTGCTGCTGCGGCG 480
DB 470 CGCGAGACAGTGGCTCACTCACTGCGGCTGCTGCGGCTGCTGCGAGGCTGCTGCTGCGGCG 529
QY 481 CGGCGCTGCTCCGCGAGCGCTGCGGCTGCCACACCTGAGGCGCTTGGCTTCCACAC 540
DB 530 CGGCGCTGCTCCGCGAGCGCTGCGGCTGCCACACCTGAGGCGCTTGGCTTCCACAC 589
QY 541 GAGTTCATCCAGTCCGCTGCGGCTGCGGCTGCCACCTGAGGCGCTTGGCTTCCACAGT 591
DB 590 GAGTTCATCCAGTCCGCTGCGGCTGCGGCTGCCACCTGAGGCGCTTGGCTTCCACAGT 640

RESULT 14
US-10-052-586-447
Sequence 447, Application US/10052586
Patent No. US20020127584A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Chen, Jian
APPLICANT: Desnoyers, Luc
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Pan, James
APPLICANT: Smith, Victoria
APPLICANT: Watanabe, Colin K.
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3430R1C1
CURRENT APPLICATION NUMBER: US/10/052,586
CURRENT FILING DATE: 2002-01-15
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059266
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/063120
PRIOR FILING DATE: 1997-10-24
PRIOR APPLICATION NUMBER: 60/063121

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14 PRIOR APPLICATION NUMBER: 60/089105
15 PRIOR FILING DATE: 1998-06-12
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17 PRIOR FILING DATE: 1998-06-16
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19 PRIOR FILING DATE: 1998-06-16
20 PRIOR APPLICATION NUMBER: 60/089538
21 PRIOR FILING DATE: 1998-06-17
22 PRIOR APPLICATION NUMBER: 60/089598
23 PRIOR FILING DATE: 1998-06-17
24 PRIOR APPLICATION NUMBER: 60/089653
25 PRIOR FILING DATE: 1998-06-17
26 PRIOR APPLICATION NUMBER: 60/089908

Query Match	100.0%	Score 591	DB 12	Length 1047
Best Local Similarity	100.0%	Pred. No. 3	3e-124	
Matches 591	0	Mismatches 0	Indels 0	Gaps 0
Conservative				

QY	1	ATGAGGCTGCTCCCGCCGGGCTGCTGTTTCTACAGCGCTGACACATGCTGGCCACAT	60
Db	50	ATGAGGCTGCTCCCGCCGGGCTGCTGTTTCTAGCTGCGCTGACACATGCTGGCCACAT	109
QY	61	GACCCCTTCCTCAGGGGGACACCCCAAGTCAGGTACCCCACTGCTACTGGCTGAG	120
Db	110	GACCCCTTCCTCAGGGGGACACCCCAAGTCAGGTACCCCACTGCTACTGGCTGAG	169
QY	121	GACCTGCCCCCTCGGCGACAGGCCCCCCCCACACCTGCTGGCTGAGAGTGGGGGACG	180
Db	170	GACCTGCCCCCTCGGCGACAGGCCCCCCCCACACCTGCTGGCTGAGAGTGGGGGACG	229
QY	181	GCTTTGGCTTGAAGCCCTGATGCTTCAGAGCTTGAGGACACCAAGGAGGAGACAG	240
Db	230	GCTTTGGCTTGAAGCCCTGATGCTTCAGAGCTTGAGGACACCAAGGAGGAGACAG	289
QY	241	AGGCGCTCAGCTACGACACCAAGTCGCCGGTGCCTGCGCCGGAGAGAGTGTGTGAGAGCAGAC	300
Db	290	AGGCGCTCAGCTACGACACCAAGTCGCCGGTGCCTGCGCCGGAGAGAGTGTGTGAGAGCAGAC	349
QY	301	ACCCACACAGCGCTTCATCTCACCTCTGAGATACCGTGTGACACAGATGAGACCCGCTAT	360
Db	350	ACCCACACAGCGCTTCATCTCACCTCTGAGATACCGTGTGACACAGATGAGACCCGCTAT	409
QY	361	CCACAGAAAGCTGGGCTTGGCGGAGATGGCTGTGCAGAGAGCGTATGCATGTACAGGACGGGC	420
Db	410	CCACAGAAAGCTGGGCTTGGCGGAGATGGCTGTGCAGAGAGCGTATGCATGTACAGGACGGGC	469
QY	421	CGCGAGACAGCTGCGCTCAACTCCGCTCGGCTGCTCCAGAGACCTGCATGATGCTCGCGCG	480
Db	470	CGCGAGACAGCTGCGCTCAACTCCGCTCGGCTGCTCCAGAGACCTGCATGATGCTCGCGCG	529
QY	481	CGGCGCTGCTCCGCGGACAGGCTCGGGGCTCCCAACACTGAGGGGCTTGTGCTTTCACACC	540
Db	530	CGGCGCTGCTCCGCGGACAGGCTCGGGGCTCCCAACACTGAGGGGCTTGTGCTTTCACACC	589
QY	541	GAGTTTCATCCAGCTGCCGCTGGCTGACACCTGGCTGCTGGCCGCTTACAGT	591
Db	590	GAGTTTCATCCAGCTGCCGCTGGCTGACACCTGGCTGCTGGCCGCTTACAGT	640

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Sequence 28, Application US/09320713
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GENERAL INFORMATION:
APPLICANT: Reinhard Ebner
APPLICANT: Steven M. Ruben
TITLE OF INVENTION: INTERLEUKINS-21 AND 22
FILE REFERENCE: PP470
CURRENT APPLICATION NUMBER: US/09/320,713
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EARLIER APPLICATION NUMBER: 60/131,965
EARLIER FILING DATE: 1999-04-30
NUMBER OF SEQ ID NOS: 32
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 28
LENGTH: 1067
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (34)..(624)
US-09-320-713-28

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Query Match	99.7%	Score 589.4	DB 9	Length 1067
Best Local Similarity	99.8%	Pred. No. 7.6e-124		
Matches 590	Conservative	0	Mismatches 1	Indels 0
				Gaps 0

QY	1	ATGAGGCGTCCCGCCGGGCTCTCTTTTCTGACACCGGTGGACACATCCCGGGCCACAT	60
Db	34	ATGAGCGCTCCCGCCGGGCTCTCTTTCTGACCTGGCTGCACATCTCTGGCCACAT	93
QY	61	GACCCCTCCCTCAGGGGGGCACCCCCACAGTACCGTACCCACACTGCTACTCGGCTAG	120
Db	94	GACCCCTCCCTCAGGGGGGCACCCCCACAGTACCGTACCCACACTGCTACTCGGCTAG	153
QY	121	GAATCGCCCTCCGGGCGAGGCCCGCCACACCTGCTGGCTGGAGGTGGCAAGTGGGGGAG	180
Db	154	GAATCGCCCTCCGGGCGAGGCCCGCCACACCTGCTGGAGGTGGCAAGTGGGGGAG	213
QY	181	GCTTGGCTGTAGGCGCTGGTGTCCAGGCTGGAGGACACAGCCACAGGGGAGGACAGAG	240
Db	214	GCTTGGCTGTAGGCGCTGGTGTCCAGGCTGGAGGACACAGAGGGGAGGACAGAG	273
QY	241	AGGCGCTCAGTTACGACCACAGTGGCCCGGTGCTGGGGCGGAGAGAGTGTGGAGGCGAC	300
Db	274	AGGCGCTCAGTTACGACCACAGTGGCCCGGTGCTGGGGCGGAGAGAGTGTGGAGGCGAC	333
QY	301	ACCACACAGCGCTCATCTCACCCCTGGAGATACCGTGTGGACACAGATGAGGACCGCTAT	360
Db	334	ACCACACAGCGCTCATCTCATCTCACCCCTGGAGATACCGGGTGGACACAGATGAGGACCGCTAT	393
QY	361	CCACAGAAAGCTGGCCCTTGGCCGGAATGCTCTGCGAGAGGCTGTATCGATGCAAGGAGGGG	420
Db	394	CCACAGAAAGCTGGCCCTTGGCCGGAATGCTCTGCGAGAGGCTGTATCGATGCAAGGAGGGG	453
QY	421	CGCGAGACAGTGTGGCTCAACTCCGTCGGGTGCTCAGAGACCGTGGTGGTGGCGGCG	480
Db	454	CGCGAGACAGTGTGGCTCAACTCCGTCGGGTGCTCAGAGACCGTGGTGGTGGCGGCG	513
QY	481	CGGCGCTGCTCCCGCGAGCGGCTCGGGGCTCCCAACACTGGGGGCTTTTGCCTTCAACAC	540
Db	514	CGGCGCTGCTCCCGCGAGCGGCTCGGGGCTCCCAACACTGGGGGCTTTTGCCTTCAACAC	573
QY	541	GAGTTCAATCCACGTTCCCGCTGGCTGACACTGGTGGCTGCCCCGTTTCAGTG	591
Db	574	GAGTTCAATCCACGTTCCCGCTGGCTGACACTGGCTGGCTGCCCGTTTCAGTG	624

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Job time : 100 secs

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